

Environmental Protection Agency**§ 712.30**

- (2) As a non-isolated intermediate.
- (3) As an impurity.

[47 FR 26998, June 22, 1982; 47 FR 28382, June 30, 1982]

§ 712.28 Form and instructions.

(a) Manufacturers and importers subject to this subpart must submit a single EPA Form No. 7710-35, "Manufacturer's Report—Preliminary Assessment Information," for each plant site manufacturing or importing a chemical substance listed in § 712.30.

(b) Reporting companies may submit their reports through individual plant sites or company headquarters as they choose. A separate form must be submitted for each plant site manufacturing the chemical substance.

(c) You must submit forms by one of the following methods:

(1) Mail, preferably certified, to the Document Control Office (DCO) (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: 8(a) PAIR Reporting.

(2) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: 8(a) PAIR Reporting. The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202)564-8930.

(d) Form 7710-35, Manufacturer's Report—Preliminary Assessment Information or PAIR form and instructions may be obtained by telephoning or writing the Environmental Assistance Division. The telephone number and the address of the Environmental Assistance Division is: Phone Number (202) 554-1404, TDD (202) 554-0551. Address: Environmental Assistance Division (7406), Office of Pollution Prevention and Toxics, Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

[47 FR 26998, June 22, 1982, as amended at 52 FR 20083, May 29, 1987; 53 FR 12523, Apr. 15, 1988; 60 FR 31921, June 19, 1995; 60 FR 34463, July 3, 1995; 71 FR 47126, Aug. 16, 2006]

§ 712.30 Chemical lists and reporting periods.

(a)(1) Persons subject to this subpart B must submit a Preliminary Assess-

ment Information Manufacturer's Report for each chemical substance or mixture that is listed or designated in this section.

(2) Unless a respondent has already prepared a Manufacturer's Report in conformity with conditions set forth in paragraph (a)(3) of this section, the information in each Manufacturer's Report must cover the respondent's latest complete corporate fiscal year as of the effective date. The effective date will be 30 days after the FEDERAL REGISTER publishes a rule amendment making the substance or mixture subject to this subpart B.

(3) Persons subject to this subpart B need not comply with the requirements of paragraph (a)(2) of this section if they meet either one of the following conditions:

(i) The respondent has previously and voluntarily provided EPA with a Manufacturer's Report on a chemical substance or mixture subject to this subpart B, which contains data for a one-year period ending no more than three years prior to the effective date described in paragraph (a)(2) of this section. Respondents meeting this condition must notify EPA by letter of their desire to have the voluntary submission used in lieu of a current data submission and must verify the completeness and current accuracy of the voluntarily submitted data. Such letters must contain the following language: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate. I agree to permit access to, and the copying of records by, a duly authorized representative of the EPA Administrator, in accordance with the Toxic Substances Control Act, to document any information reported on the form." Notification letters must be submitted prior to the reporting deadline.

(ii) The respondent has previously submitted a Manufacturer's Report on a chemical substance or mixture subject to this subpart B to the Interagency Testing Committee, but not to EPA, and that Report contained data for a one-year period ending less than three years prior to the effective date described in paragraph (a)(2) of this

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section. Respondents meeting this condition must submit a copy of the Manufacturer's Report to EPA, and must submit an accompanying letter notifying EPA of the respondent's intent that the submission be used in lieu of a current Manufacturer's Report. The notification letter must verify the completeness and current accuracy of the voluntarily submitted data. Such a letter must contain the following language: "I hereby certify that, to the best of my knowledge and belief, all information entered on this form is complete and accurate. I agree to permit access to, and the copying of records by, a duly authorized representative of the EPA Administrator, in accordance with the Toxic Substances Control Act, to document any information reported on the form." The submission must be made prior to the reporting deadline.

(b) Except as provided in paragraph (c) of this section, chemical substances and designated mixtures will be added after a notice of proposed amendment of this subpart is published in the *FEDERAL REGISTER*. There will be a 30 day public comment period on each notice; after consideration of the comments, a final amendment will identify the substances and mixtures added.

(c)(1) Chemical substances, mixtures, and categories of substances or mixtures that have been added by the Interagency Testing Committee, established under section 4(e) of TSCA, to the section 4(e) Priority List, for testing consideration by the Agency, will be added to this section 30 days after EPA issues for publication in the *FEDERAL REGISTER* a rule amendment listing these chemical substances, mixtures and categories. A Preliminary Assessment Information—Manufacturer's Report must be submitted for each chemical substance and mixture within 60 days after the effective date of the listing. At the discretion of the Assistant Administrator for Prevention, Pesticides and Toxic Substances, a listed

substance, mixture or category may be withdrawn, for good cause, from the rule's reporting requirements prior to the effective date. Any information submitted showing why a substance, mixture or category should be removed from the rule must be received by EPA within 14 days after the date of publication of the notice under this paragraph. If a substance, mixture or category is removed, a *FEDERAL REGISTER* notice announcing this decision will be published no later than the effective date of the amendment.

(2) You must submit information by one of the following methods:

(i) Mail, preferably certified, to the Document Control Office (DCO) (7407M), Office of Pollution Prevention and Toxics (OPPT), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001, ATTN: 8(a) Auto-ITC.

(ii) Hand delivery to OPPT Document Control Office (DCO), EPA East, Rm. 6428, 1201 Constitution Ave., NW., Washington, DC, ATTN: 8(a) Auto-ITC. Reporting. The DCO is open from 8 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The telephone number for the DCO is (202)564-8930.

(d) Manufacturers and importers of the substances listed below must submit a Preliminary Assessment Information Manufacturer's Report for each site at which they manufacture or import each substance by the reporting date shown in the table below. The substances are listed in Chemical Abstracts Service Registry Number order. Typically EPA lists the trivial or common name first, then, following the symbol “- -”, EPA lists the substance by its TSCA Chemical Substance Inventory name. Whenever EPA lists a single name, the name may be either the TSCA Chemical Substance Inventory name, a trivial name, or a common name. Generally, when a single name is listed, it is the TSCA Chemical Substances Inventory name.

| CAS No. | Substance | Effective date | Reporting date |
|----------|--------------------------------|----------------|----------------|
| 78-10-4 | Ethyl silicate | 8/23/00 | 10/23/00 |
| 90-30-2 | N-Phenyl-1-naphthylamine | 9/30/91 | 11/27/91 |
| 100-40-3 | 4-Vinylcyclohexene | 1/11/90 | 3/12/90 |
| 108-95-5 | Thiophenol | 1/26/94 | 3/28/94 |
| 109-87-5 | Methylal | 8/23/00 | 10/23/00 |
| 118-79-6 | 2,4,6-tribromophenol | 1/11/90 | 3/12/90 |

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| CAS No. | Substance | Effective date | Reporting date |
|------------|---|----------------|----------------|
| 133-49-3 | Pentachlorothiophenol | 8/27/01 | 10/24/01 |
| 136-35-6 | 1-Triazene, 1,3-diphenyl- | 7/11/03 | 9/9/03 |
| 143-33-9 | Sodium cyanide | 10/29/90 | 12/27/90 |
| 496-46-8 | Glycoluril | 8/23/00 | 10/23/00 |
| 632-79-1 | Tetrabromophthalic anhydride | 1/11/90 | 3/12/90 |
| 637-92-3 | Ethyl tert-butyl ether | 12/28/94 | 2/27/95 |
| 994-05-8 | Tert-amyl methyl ether | 12/28/94 | 2/27/95 |
| 1163-19-5 | Decabromodiphenyl ether | 1/11/90 | 3/12/90 |
| 1198-55-6 | Tetrachloropyrocatechol | 8/27/01 | 10/24/01 |
| 1806-24-2 | p-toluidine, 5-chloro-.alpha.,alpha..alpha.-trifluoro-2-nitro-N-phenyl- | 8/27/01 | 10/24/01 |
| 3194-55-6 | Hexabromocyclododecane | 1/11/90 | 3/12/90 |
| 3278-89-5 | Benzene, 1,3,5-tribromo-2-(2-propenylxy)- | 7/11/03 | 9/9/03 |
| 3296-90-0 | Dibromoneopentyl glycol | 1/11/90 | 3/12/90 |
| 12185-10-3 | White phosphorus | 1/26/94 | 3/28/94 |
| 16691-43-3 | 3-Amino-5-mercapto-1,2,4-triazole | 8/23/00 | 10/23/00 |
| 29091-20-1 | Benzenamine, 3-chloro-2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)- | 7/11/03 | 9/9/03 |
| 32534-81-9 | Pentabromodiphenyl ether | 1/11/90 | 3/12/90 |
| 32536-52-0 | Octabromodiphenyl ether | 1/11/90 | 3/12/90 |
| 32588-76-4 | Ethylene Bis-(tetrabromophthalimide) | 1/11/90 | 3/12/90 |
| 37853-59-1 | 1,2-Bis(tribromophenoxy) ethane | 1/11/90 | 3/12/90 |
| 41291-34-3 | Ethylene (5,6-dibromonorbornane-2,3-dicarboximide) | 1/11/90 | 3/12/90 |
| 52907-07-0 | Ethylene bis(5,6-dibromonorbornane-2,3-dicarboximide) | 1/26/94 | 3/28/94 |
| 57137-10-7 | Tribrominated polystyrene | 1/11/90 | 3/12/90 |
| 61262-53-1 | Ethylene bis(pentabromophenoxyde) | 1/11/90 | 3/12/90 |
| 68928-76-7 | Stannane, dimethylbis(1-oxoneodecyl)oxy)- | 7/11/03 | 9/9/03 |
| 88185-22-2 | Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, 2-ethoxy-1-methyl-2-oxoethyl ester. | 8/27/01 | 10/24/01 |

(e) Manufacturers and importers of the substances listed below by category must submit a Preliminary Assessment Information Manufacturers Report for each site at which they manufacture or import each substance by the reporting

date shown in the table below. The categories are listed in alphabetic order with the chemical substances within each category listed by ascending numerical CAS number.

| CAS No. | Substance | Effective date | Reporting date |
|-----------|--|----------------|----------------|
| Aldehydes | | | |
| 66-77-3 | 1-Naphthalenecarboxaldehyde | 9/30/91 | 11/27/91 |
| 75-07-0 | Acetaldehyde | 9/30/91 | 11/27/91 |
| 75-87-6 | Acetaldehyde, trichloro- | 9/30/91 | 11/27/91 |
| 78-84-2 | Propanal, 2-methyl- | 9/30/91 | 11/27/91 |
| 78-85-3 | 2-Propenal, 2-methyl- | 9/30/91 | 11/27/91 |
| 80-54-6 | Benzene propanal,4-(1,1-dimethylethyl)-.alpha.-methyl- | 9/30/91 | 11/27/91 |
| 84-83-3 | Acetaldehyde, (1,3-dihydro-1,3, 3-trimethyl-2H-indol-2-ylidene). | 9/30/91 | 11/27/91 |
| 89-98-5 | Benzaldehyde, 2-chloro- | 9/30/91 | 11/27/91 |
| 90-02-8 | Benzaldehyde, 2-hydroxy- | 9/30/91 | 11/27/91 |
| 93-02-7 | Benzaldehyde, 2,5-dimethoxy- | 9/30/91 | 11/27/91 |
| 93-53-8 | Benzeneacetaldehyde, .alpha..methyl- | 9/30/91 | 11/27/91 |
| 95-01-2 | Benzaldehyde, 2,4-dihydroxy- | 9/30/91 | 11/27/91 |
| 97-51-8 | Benzaldehyde, 2-hydroxy-5-nitro- | 9/30/91 | 11/27/91 |
| 98-01-1 | 2-Furancarboxaldehyde | 9/30/91 | 11/27/91 |
| 98-03-3 | 2-Thiophencarboxaldehyde | 9/30/91 | 11/27/91 |
| 100-10-7 | Benzaldehyde, 4-(dimethylamino)- | 9/30/91 | 11/27/91 |
| 100-50-5 | 3-Cyclohexene-1-carboxaldehyde | 9/30/91 | 11/27/91 |
| 100-52-7 | Benzaldehyde | 9/30/91 | 11/27/91 |
| 101-39-3 | 2-Propenal, 2-methyl-3-phenyl- | 9/30/91 | 11/27/91 |
| 101-86-0 | Octanal, 2-(phenylmethylene)- | 9/30/91 | 11/27/91 |
| 103-95-7 | Benzene propanal, .alpha..methyl-4-(1-methylethyl)- | 9/30/91 | 11/27/91 |
| 104-09-6 | Benzeneacetaldehyde, 4-methyl- | 9/30/91 | 11/27/91 |
| 104-55-2 | 2-Propenal, 3-phenyl- | 9/30/91 | 11/27/91 |
| 104-87-0 | Benzaldehyde, 4-methyl- | 9/30/91 | 11/27/91 |
| 104-88-1 | Benzaldehyde, 4-chloro- | 9/30/91 | 11/27/91 |
| 106-23-0 | 6-Octenal, 3,7-dimethyl- | 9/30/91 | 11/27/91 |
| 106-26-3 | 2,6-Octadienal, 3,7-dimethyl-, (Z)- | 9/30/91 | 11/27/91 |
| 106-72-9 | 5-Heptenal, 2,6-dimethyl- | 9/30/91 | 11/27/91 |
| 107-02-8 | 2-Propenal | 9/30/91 | 11/27/91 |
| 107-20-0 | Acetaldehyde, chloro- | 9/30/91 | 11/27/91 |

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|--|---|----------------|----------------|
| Aldehydes | | | |
| 107-22-2 | Ethanodial | 9/30/91 | 11/27/91 |
| 107-75-5 | Octanal, 7-hydroxy-3,7-dimethyl- | 9/30/91 | 11/27/91 |
| 110-41-8 | Undecanal, 2-methyl- | 9/30/91 | 11/27/91 |
| 110-62-3 | Pentanal | 9/30/91 | 11/27/91 |
| 111-30-8 | Pentanodial | 9/30/91 | 11/27/91 |
| 111-71-7 | Heptanal | 9/30/91 | 11/27/91 |
| 112-31-2 | Decanal | 9/30/91 | 11/27/91 |
| 112-44-7 | Undecanal | 9/30/91 | 11/27/91 |
| 112-45-8 | 10-Undecenal | 9/30/91 | 11/27/91 |
| 112-54-9 | Dodecanal | 9/30/91 | 11/27/91 |
| 120-14-9 | Benzaldehyde, 3,4-dimethoxy- | 9/30/91 | 11/27/91 |
| 120-21-8 | Benzaldehyde, 4-(diethylamino)- | 9/30/91 | 11/27/91 |
| 120-57-0 | 1,3-Benzodioxole-5-carboxaldehyde | 9/30/91 | 11/27/91 |
| 121-32-4 | Benzaldehyde, 3-ethoxy-4-hydroxy- | 9/30/91 | 11/27/91 |
| 121-33-5 | Benzaldehyde, 4-hydroxy-3-methoxy- | 9/30/91 | 11/27/91 |
| 122-40-7 | Heptanal, 2-(phenylmethylene)- | 9/30/91 | 11/27/91 |
| 122-78-1 | Benzeneacetaldehyde | 9/30/91 | 11/27/91 |
| 123-05-7 | Hexanal, 2-ethyl- | 9/30/91 | 11/27/91 |
| 123-08-0 | Benzaldehyde, 4-hydroxy- | 9/30/91 | 11/27/91 |
| 123-11-5 | Benzaldehyde, 4-methoxy- | 9/30/91 | 11/27/91 |
| 123-38-6 | Propanal | 9/30/91 | 11/27/91 |
| 124-13-0 | Octanal | 9/30/91 | 11/27/91 |
| 124-19-6 | Nonanal | 9/30/91 | 11/27/91 |
| 126-15-8 | 4a(4H)-Dibenzofurancarboxaldehyde, 1,5a,6,9,9a,9b-hexahydro- | 9/30/91 | 11/27/91 |
| 135-02-4 | Benzaldehyde, 2-methoxy- | 9/30/91 | 11/27/91 |
| 141-27-5 | 2,6-Octadienal, 3,7-dimethyl-, (E)- | 9/30/91 | 11/27/91 |
| 143-14-6 | 9-Undecenal | 9/30/91 | 11/27/91 |
| 455-19-6 | Benzaldehyde, 4-(trifluoromethyl)- | 9/30/91 | 11/27/91 |
| 505-57-7 | 02-Hexenal | 9/30/91 | 11/27/91 |
| 552-89-6 | Benzaldehyde, 2-nitro- | 9/30/91 | 11/27/91 |
| 590-86-3 | Butanal, 3-methyl- | 9/30/91 | 11/27/91 |
| 597-31-9 | Propanal, 3-hydroxy-2,2-dimethyl- | 9/30/91 | 11/27/91 |
| 939-97-9 | Benzaldehyde, 4-(1,1-dimethylethyl)- | 9/30/91 | 11/27/91 |
| 1121-60-4 | 2-Pyridinecarboxaldehyde | 9/30/91 | 11/27/91 |
| 1200-14-2 | Benzaldehyde, 4-butyl- | 9/30/91 | 11/27/91 |
| 1331-92-6 | 2-Propenal, 3-phenyl-, monopentyl deriv. | 9/30/91 | 11/27/91 |
| 1334-78-7 | Benzaldehyde, methyl- | 9/30/91 | 11/27/91 |
| 1423-46-7 | 3-Cyclohexene-1-carboxaldehyde, 2,4,6-trimethyl- | 9/30/91 | 11/27/91 |
| 1504-74-1 | 2-Propenal, 3-(2-methoxyphenyl)- | 9/30/91 | 11/27/91 |
| 2591-86-8 | 1-Piperidinecarboxaldehyde | 9/30/91 | 11/27/91 |
| 3132-99-8 | Benzaldehyde, 3-bromo- | 9/30/91 | 11/27/91 |
| 3268-49-3 | Propanal, 3-(methylthio)- | 9/30/91 | 11/27/91 |
| 3613-30-7 | Octanal, 7-methoxy-3,7-dimethyl- | 9/30/91 | 11/27/91 |
| 4501-58-0 | 3-Cyclopentene-1-acetaldehyde, 2,2,3-trimethyl- | 9/30/91 | 11/27/91 |
| 5435-64-3 | Hexanal, 3,5,5-trimethyl- | 9/30/91 | 11/27/91 |
| 5780-07-4 | 1,3-Benzodioxole-5-carboxaldehyde, 7-methoxy- | 9/30/91 | 11/27/91 |
| 5949-05-3 | 6-Octenal, 3,7-dimethyl-, (S)- | 9/30/91 | 11/27/91 |
| 5988-91-0 | Octanal, 3,7-dimethyl- | 9/30/91 | 11/27/91 |
| 10031-82-0 | Benzaldehyde, 4-ethoxy- | 9/30/91 | 11/27/91 |
| 13586-68-0 | 2-Propenal, 3- 4-(1,1-dimethylethyl)phenyl-2-methyl- | 9/30/91 | 11/27/91 |
| 17754-90-4 | Benzaldehyde, 4-(diethylamino)-2-hydroxy- | 9/30/91 | 11/27/91 |
| 26266-68-2 | Hexanal, 2-ethyl- | 9/30/91 | 11/27/91 |
| 27939-60-2 | 3-Cyclohexene-1-carboxaldehyde, dimethyl- | 9/30/91 | 11/27/91 |
| 28602-27-9 | Benzaldehyde, (dimethylamino)- | 9/30/91 | 11/27/91 |
| 31906-04-4 | 3-Cyclohexene-1-carboxaldehyde, 4-(4-hydroxy-4-methylpentyl)- | 9/30/91 | 11/27/91 |
| 37677-14-8 | 3-Cyclohexene-1-carboxaldehyde, 4-(4-methyl-3-pentenyl)- | 9/30/91 | 11/27/91 |
| 39515-51-0 | Benzaldehyde, 3-phenoxy- | 9/30/91 | 11/27/91 |
| 52475-86-2 | 3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methyl-3-pentenyl)- | 9/30/91 | 11/27/91 |
| 66327-54-6 | 3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(4-methylpentyl)- | 9/30/91 | 11/27/91 |
| Alkyl-, Chloro-, and Hydroxymethyl Diaryl Ethers | | | |
| 3061-36-7 | 1,4-Diphenoxybenzene | 04/12/93 | 06/10/93 |
| 3586-14-9 | Benzene, 1-methyl-3-phenoxy- | 04/12/93 | 06/10/93 |
| 13826-35-2 | Benzinemethanol, 3-phenoxy- | 04/12/93 | 06/10/93 |
| 28299-41-4 | Benzene, 1,1'-oxybis[methyl]- | 04/12/93 | 06/10/93 |
| 28984-89-6 | 1,1'-Biphenyl, phenoxy- | 04/12/93 | 06/10/93 |
| 42874-96-4 | 2-Chloro-1-(3-methylphenoxy)-4-(trifluoromethyl)benzene | 04/12/93 | 06/10/93 |
| 50594-77-9 | Phenol, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, acetate | 04/12/93 | 06/10/93 |
| 50789-44-1 | Benzinemethanol, 3-phenoxy-, acetate | 04/12/93 | 06/10/93 |
| 51632-16-7 | Benzene, 1-(bromomethyl)-3-phenoxy- | 04/12/93 | 06/10/93 |

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| CAS No. | Substance | Effective date | Reporting date |
|---|---|----------------|----------------|
| Alkyl-, Chloro-, and Hydroxymethyl Diaryl Ethers | | | |
| 61702-88-3 | Benzene, 1,1'-oxybis[(1,1,3,3-tetramethylbutyl)-] | 04/12/93 | 06/10/93 |
| 63734-62-3 | Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]- | 04/12/93 | 06/10/93 |
| 69834-19-1 | Benzene, 1,1'-oxybis[dodecyl-] | 04/12/93 | 06/10/93 |
| 72252-48-3 | Benzoic acid, 3-[2-chloro-4-(trifluoromethyl)phenoxy]-, potassium salt | 04/12/93 | 06/10/93 |
| Alkylphenols, Alkylphenol ethoxylates, and Polyalkylphenols | | | |
| 80-46-6 | 4-tert-Pentylphenol | 3/29/96 | 5/29/96 |
| 88-18-6 | 2-tert-Butylphenol | 3/29/96 | 5/29/96 |
| 94-06-4 | 4-(1-Methylbutyl)phenol | 3/29/96 | 5/29/96 |
| 98-54-4 | 4-tert-Butylphenol | 3/29/96 | 5/29/96 |
| 99-71-8 | 4-sec-Butylphenol | 3/29/96 | 5/29/96 |
| 104-40-5 | 4-Nonylphenol | 3/29/96 | 5/29/96 |
| 104-43-8 | 4-Dodecylphenol | 3/29/96 | 5/29/96 |
| 136-81-2 | Phenol, 2-pentyl- | 8/4/00 | 10/3/00 |
| 140-66-9 | Phenol, 4-(1,1,3,3-tetramethylbutyl)- | 8/4/00 | 10/3/00 |
| 949-13-3 | 2-Octylphenol | 3/29/96 | 5/29/96 |
| 1300-16-9 | Nonylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 1322-69-6 | (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 1331-57-3 | Dodecylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 1638-22-8 | 4-n-Butylphenol | 3/29/96 | 5/29/96 |
| 1806-26-4 | 4-Octylphenol | 3/29/96 | 5/29/96 |
| 1987-50-4 | Phenol, 4-heptyl- | 8/4/00 | 10/3/00 |
| 2315-66-4 | Decaethylene glycol 4-isooctylphenyl ether | 3/29/96 | 5/29/96 |
| 2446-69-7 | Phenol, 4-hexyl- | 8/4/00 | 10/3/00 |
| 2497-58-7 | Hexaethylene glycol 4-isooctylphenyl ether | 3/29/96 | 5/29/96 |
| 2589-78-8 | Phenol, 4-hexadecyl- | 8/4/00 | 10/3/00 |
| 3180-09-4 | 2-Butylphenol | 3/29/96 | 5/29/96 |
| 3279-27-4 | Phenol, 2-(1,1-dimethylpropyl)- | 8/4/00 | 10/3/00 |
| 3884-95-5 | 2-(1,1,3,3-Tetramethylbutyl)phenol | 3/29/96 | 5/29/96 |
| 9002-93-1 | Polyethylene glycol 4-(tert-octyl)phenyl ether | 3/29/96 | 5/29/96 |
| 9004-87-9 | Poly(oxy-1,2-ethanediyl), α -(isooctylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 9014-92-0 | Poly(oxy-1,2-ethanediyl), α -(dodecylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 9036-19-5 | Polyethylene glycol mono(octyl)phenyl ether | 3/29/96 | 5/29/96 |
| 9063-89-2 | Poly(oxy-1,2-ethanediyl), α -(octylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 11066-49-2 | Isononylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 14938-35-3 | 4-Pentylphenol | 3/29/96 | 5/29/96 |
| 17404-66-9 | 4-(1-Methyloctyl)phenol | 3/29/96 | 5/29/96 |
| 25154-52-3 | Nonylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 25401-86-9 | Phenol, 2-hexadecyl- | 8/4/00 | 10/3/00 |
| 25735-67-5 | Phenol, 4-sec-pentyl- | 8/4/00 | 10/3/00 |
| 26401-47-8 | Poly(oxy-1,2-ethanediyl), α -(4-dodecylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 26401-74-1 | Phenol, 2-sec-pentyl- | 8/4/00 | 10/3/00 |
| 27157-66-0 | Phenol, decyl- | 8/4/00 | 10/3/00 |
| 27178-34-3 | tert-Butylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 27193-28-8 | (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 27193-86-8 | Dodecylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 27985-70-2 | (1-Methylheptyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 29932-96-5 | (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 30105-54-5 | (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 31195-95-6 | Isobutylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 54932-78-4 | 4-(2,2,3,3-Tetramethylbutyl)phenol | 3/29/96 | 5/29/96 |
| 59911-95-4 | Poly(oxy-1,2-ethanediyl), α -(4-hexadecylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 61723-87-3 | Poly(oxy-1,2-ethanediyl), α -(tridecylphenyl)- ω -hydroxy- | 8/4/00 | 10/3/00 |
| 62744-41-6 | (1,1,3,3-Tetramethylbutyl)phenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 68081-86-7 | Phenol, nonyl derivs. | 8/4/00 | 10/3/00 |
| 68784-24-7 | Phenol, C18-30-alkyl derivs. | 8/4/00 | 10/3/00 |
| 68891-67-8 | Phenol, polypropene derivs. | 8/4/00 | 10/3/00 |
| 68908-55-4 | Phenol, polybutene derivs. | 8/4/00 | 10/3/00 |
| 68954-70-1 | Phenol, polyethyl derivs. | 8/4/00 | 10/3/00 |
| 68987-90-6 | Poly(oxy-1,2-ethanediyl), α -(octylphenyl)- ω -hydroxy-, branched | 3/29/96 | 5/29/96 |
| 70682-80-3 | Phenol, tetradecyl- | 8/4/00 | 10/3/00 |
| 71902-25-5 | Phenol, octenylated | 8/4/00 | 10/3/00 |
| 72624-02-3 | Phenol, heptyl derivs. | 8/4/00 | 10/3/00 |
| 74499-35-7 | Phenol, (tetrapropenyl) derivs. | 8/4/00 | 10/3/00 |
| 84605-25-4 | Phenol, 1-methylhexyl derivs. | 8/4/00 | 10/3/00 |
| 84852-15-3 | Branched 4-nonylphenol (mixed isomers) | 3/29/96 | 5/29/96 |
| 91672-41-2 | Phenol, 2-nonyl-, branched | 8/4/00 | 10/3/00 |
| 112375-88-9 | Phenol, polyisobutylene derivs. | 8/4/00 | 10/3/00 |
| 112375-89-0 | Phenol, poly(2,4,4-trimethylpentene) derivs | 8/4/00 | 10/3/00 |

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| Alkylphenols, Alkylphenol ethoxylates, and Polyalkylphenols | | | |
| Alkyl phosphates | | | |
| | | | |
| 78-40-0 | Phosphoric acid, triethyl ester | 10/29/90 | 12/27/90 |
| 78-42-2 | Phosphoric acid, tris(2-ethylhexyl)ester | 10/29/90 | 12/27/90 |
| 78-51-3 | Ethanol, 2-butoxy-, phosphate (3:1) | 10/29/90 | 12/27/90 |
| 107-66-4 | Phosphoric acid, dibutyl ester | 10/29/90 | 12/27/90 |
| 126-71-6 | Phosphoric acid, tris(2-methylpropyl) ester | 10/29/90 | 12/27/90 |
| 126-73-8 | Phosphoric acid tributyl ester | 10/29/90 | 12/27/90 |
| 298-07-7 | Phosphoric acid, bis(2-ethylhexyl)ester | 10/29/90 | 12/27/90 |
| 812-00-0 | Phosphoric acid, monomethyl ester | 10/29/90 | 12/27/90 |
| 1070-03-7 | Phosphoric acid, mono(2-ethylhexyl)ester | 10/29/90 | 12/27/90 |
| 1498-51-7 | Phosphoricodichloridic acid, ethylester | 10/29/90 | 12/27/90 |
| 1623-15-0 | Phosphoric acid, monobutyl ester | 10/29/90 | 12/27/90 |
| 1623-24-1 | Phosphoric acid, mono(1-methylethyl)ester | 10/29/90 | 12/27/90 |
| 2958-09-0 | Phosphoric acid, monooctadecyl ester | 10/29/90 | 12/27/90 |
| 3900-04-7 | Phosphoric acid, monohexyl ester | 10/29/90 | 12/27/90 |
| 3991-73-9 | Phosphoric acid, monoctyl ester | 10/29/90 | 12/27/90 |
| 7057-92-3 | Phosphoric acid, didodecyl ester | 10/29/90 | 12/27/90 |
| 7332-46-9 | Ethanol, 2-(2-butoxyethoxy)-, phosphate (3:1) | 10/29/90 | 12/27/90 |
| 12645-31-7 | Phosphoric acid, 2-ethylhexyl ester | 10/29/90 | 12/27/90 |
| 12751-23-4 | Phosphoric acid, dodecyl ester | 10/29/90 | 12/27/90 |
| 27215-10-7 | Phosphoric acid, diisooctyl ester | 10/29/90 | 12/27/90 |
| Brominated flame retardants | | | |
| | | | |
| 87-10-5 | Benzamide, 3,5-dibromo-N-(4-bromophenyl)-2-hydroxy- | 10/29/90 | 12/27/90 |
| 87-83-2 | Benzene, pentabromomethyl- | 10/29/90 | 12/27/90 |
| 87-84-3 | Cyclohexane,1,2,3,4,5-pentabromo-6-chloro- | 10/29/90 | 12/27/90 |
| 96-13-9 | 1-Propanol, 2,3-dibromo- | 10/29/90 | 12/27/90 |
| 593-60-2 | Ethene, bromo- | 10/29/90 | 12/27/90 |
| 615-58-7 | Phenol, 2,4-dibromo- | 10/29/90 | 12/27/90 |
| 4162-45-2 | Ethanol,2,2'-(1-methylethylidene)bis((2,6-dibromo-4,1-phenyleneoxy))bis- | 10/29/90 | 12/27/90 |
| 25327-89-3 | Benzene, 1,1'-(1-methylethylene)bis(3,5-dibromo-4-(2-propenoxy))- | 10/29/90 | 12/27/90 |
| 30554-72-4 | Cyclohexane, tetrabromodichloro- | 10/29/90 | 12/27/90 |
| 30554-73-5 | Cyclohexane, tribromotrichloro- | 10/29/90 | 12/27/90 |
| 36483-57-5 | 1-Propanol, 2,2-dimethyl-, tribromo deriv. | 10/29/90 | 12/27/90 |
| 55205-38-4 | 2-Propenoic acid, (1-methylethylidene)bis(2,6-dibromo-4,1-phenylene) ester | 10/29/90 | 12/27/90 |
| 66955-41-9 | Alkanes, C10-18, bromochloro- | 10/29/90 | 12/27/90 |
| 69882-11-7 | Phenol, 2,4(or 2,6)-dibromo-, homopolymer | 10/29/90 | 12/27/90 |
| 88497-56-7 | Benzene, ethenyl-, homopolymer, brominated | 10/29/90 | 12/27/90 |
| Chloralkyl phosphates | | | |
| | | | |
| 34621-99-3 | 1,2-Ethanediyltetakis(2-chloro-1-methylethylene) phosphate | 6/14/93 | 8/12/93 |
| 38051-10-4 | 2,2-Bis(chloromethyl)-1,3-propanediyltetraakis(2-chloroethyl) phosphate | 6/14/93 | 8/12/93 |
| 53461-82-8 | Oxydi-2,1-ethanediyltetraakis(2-chloroethyl) phosphate | 6/14/93 | 8/12/93 |
| 76649-15-5 | 2-Chloro-1-methylethylbis(2-chloropropyl) phosphate. | | |
| Cyanoacrylates | | | |
| | | | |
| 137-05-3 | 2-Propenoic acid, 2-cyano-, methyl ester | 1/26/94 | 3/28/94 |
| 1069-55-2 | 2-Propenoic acid, 2-cyano-, isobutyl ester | 1/26/94 | 3/28/94 |
| 6197-30-4 | 2-Propenoic acid, 2-cyano-3,3-diphenyl-, 2-ethylhexyl ester | 1/26/94 | 3/28/94 |
| 6606-65-1 | 2-Propenoic acid, 2-cyano-, butyl ester | 1/26/94 | 3/28/94 |
| 7085-85-0 | 2-Propenoic acid, 2-cyano-, ethyl ester | 1/26/94 | 3/28/94 |
| 7324-02-9 | 2-Propenoic acid, 2-cyano-, 2-propenyl ester | 1/26/94 | 3/28/94 |
| 10586-17-1 | 2-Propenoic acid, 2-cyano-, 1-methylethyl ester | 1/26/94 | 3/28/94 |
| 21982-43-4 | 2-Propenoic acid, 2-cyano-, ethoxyethyl ester | 1/26/94 | 3/28/94 |
| 23023-91-8 | 2-Propenoic acid, 2-cyano-, 2,2,2-trifluoromethyl ester | 1/26/94 | 3/28/94 |
| 27816-23-5 | 2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester | 1/26/94 | 3/28/94 |
| 64992-16-1 | Ethanaminium, 2-[{2-cyano-3-[4-(diethylamino)phenyl]-1-oxo-2-propenyl}oxy]-N,N,N-trimethyl-, chloride. | 1/26/94 | 3/28/94 |
| Indium Chemicals | | | |
| | | | |
| 923-34-2 | Triethylindium | 8/27/01 | 10/24/01 |
| 1303-11-3 | Indium arsenide | 8/27/01 | 10/24/01 |
| 1312-41-0 | Indium antimonide | 8/27/01 | 10/24/01 |
| 1312-43-2 | Indium (III) oxide | 8/27/01 | 10/24/01 |
| 1312-45-4 | Indium (III) telluride | 8/27/01 | 10/24/01 |
| 4194-69-8 | Indium (III) citrate | 8/27/01 | 10/24/01 |
| 7440-74-6 | Indium | 8/27/01 | 10/24/01 |

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| Indium Chemicals | | | |
| 7783-52-0 | Indium (III) fluoride | 8/27/01 | 10/24/01 |
| 10025-82-8 | Indium (III) chloride | 8/27/01 | 10/24/01 |
| 12018-95-0 | Copper indium diselenide | 8/27/01 | 10/24/01 |
| 12030-14-7 | Indium (II) sulfide | 8/27/01 | 10/24/01 |
| 12030-24-9 | Indium (III) sulfide | 8/27/01 | 10/24/01 |
| 12056-07-4 | Indium selenide | 8/27/01 | 10/24/01 |
| 12672-70-7 | Indium chloride | 8/27/01 | 10/24/01 |
| 12672-71-8 | Indium oxide | 8/27/01 | 10/24/01 |
| 13464-82-9 | Indium (III) sulfate | 8/27/01 | 10/24/01 |
| 13465-09-3 | Indium (III) bromide | 8/27/01 | 10/24/01 |
| 13465-10-6 | Indium (I) chloride | 8/27/01 | 10/24/01 |
| 13510-35-5 | Indium (III) iodide | 8/27/01 | 10/24/01 |
| 13709-93-8 | Indium (III) borate | 8/27/01 | 10/24/01 |
| 13770-61-1 | Indium (III) nitrate | 8/27/01 | 10/24/01 |
| 13966-94-4 | Indium (I) iodide | 8/27/01 | 10/24/01 |
| 14166-78-0 | Indium (III) fluoride | 8/27/01 | 10/24/01 |
| 14280-53-6 | Indium (I) bromide | 8/27/01 | 10/24/01 |
| 14405-45-9 | Indium tris(acetylacetone) | 8/27/01 | 10/24/01 |
| 20661-21-6 | Indium (III) hydroxide | 8/27/01 | 10/24/01 |
| 22398-80-7 | Indium (I) phosphide | 8/27/01 | 10/24/01 |
| 25114-58-3 | Indium (III) acetate | 8/27/01 | 10/24/01 |
| 25617-98-5 | Indium nitride | 8/27/01 | 10/24/01 |
| 27765-48-6 | Indium (III) tetrafluoroborate | 8/27/01 | 10/24/01 |
| 50926-11-9 | Indium tin oxide | 8/27/01 | 10/24/01 |
| 55326-87-9 | Indium hydroxide | 8/27/01 | 10/24/01 |
| 66027-93-8 | Indium (III) sulfamate | 8/27/01 | 10/24/01 |
| 66027-94-9 | Hydroxybis(trifluoroacetato-O)indium | 8/27/01 | 10/24/01 |
| 67816-06-2 | Indium (II) 2-ethylhexanoate | 8/27/01 | 10/24/01 |
| 68310-35-0 | Indium (III) neodecanoate | 8/27/01 | 10/24/01 |
| 71243-84-0 | Indium tin oxide ($In_{1.69}Sn_{0.1502}O_{2.85}$) | 8/27/01 | 10/24/01 |
| IRIS Chemicals | | | |
| 51-28-5 | 2,4 Dinitrophenol | 9/30/91 | 11/27/91 |
| 95-65-8 | 3,4 Dinethylphenol | 9/30/91 | 11/27/91 |
| Isocyanates | | | |
| 91-97-4 | 1,1'-Biphenyl, 4,4'-diisocyanato-3,3'-dimethyl- | 10/29/90 | 12/27/90 |
| 100-28-7 | Benzene, 1-isocyanato-4-nitro- | 10/29/90 | 12/27/90 |
| 101-68-8 | Benzene, 1,1'-methylenebis(4-isocyanato- | 10/29/90 | 12/27/90 |
| 102-36-3 | Benzene, 1,2-dichloro-4-isocyanato- | 10/29/90 | 12/27/90 |
| 103-71-9 | Benzene, isocyanato- | 10/29/90 | 12/27/90 |
| 104-12-1 | Benzene, 1-chloro-4-isocyanato- | 10/29/90 | 12/27/90 |
| 104-49-4 | Benzene, 1,4-diisocyanato- | 10/29/90 | 12/27/90 |
| 109-90-0 | Ethane, isocyanato- | 10/29/90 | 12/27/90 |
| 110-78-1 | Propane, 1-isocyanato- | 10/29/90 | 12/27/90 |
| 111-36-4 | Butane, 1-isocyanato- | 10/29/90 | 12/27/90 |
| 112-96-9 | Octadecane, 1-isocyanato- | 10/29/90 | 12/27/90 |
| 123-61-5 | Benzene, 1,3-diisocyanato- | 10/29/90 | 12/27/90 |
| 329-01-1 | Benzene, 1-isocyanato-3-(trifluoromethyl)- | 10/29/90 | 12/27/90 |
| 614-68-6 | Benzene, 1-isocyanato-2-methyl- | 10/29/90 | 12/27/90 |
| 622-58-2 | Benzene, 1-isocyanato-4-methyl- | 10/29/90 | 12/27/90 |
| 624-83-9 | Methane, isocyanato- | 10/29/90 | 12/27/90 |
| 1476-23-9 | 1-Propene, 3-isocyanato- | 10/29/90 | 12/27/90 |
| 2422-91-5 | Benzene, 1,1',1'-methylidynetris(4-isocyanato- | 10/29/90 | 12/27/90 |
| 2493-02-9 | Benzene, 1-bromo-4-isocyanato- | 10/29/90 | 12/27/90 |
| 2909-38-8 | Benzene, 1-chloro-3-isocyanato- | 10/29/90 | 12/27/90 |
| 2949-22-6 | Acetic acid, isocyanato-, ethyl ester | 10/29/90 | 12/27/90 |
| 3173-53-3 | Cyclohexane, isocyanato- | 10/29/90 | 12/27/90 |
| 4035-89-6 | Imidodicarbonic diamide,N,N',2-tris(6-isocyanatohexyl)- | 10/29/90 | 12/27/90 |
| 4098-71-9 | Cyclohexane, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethyl- | 10/29/90 | 12/27/90 |
| 4151-51-3 | Phenol, 4-isocyanato-, phosphorothioate (3:1) (ester) | 10/29/90 | 12/27/90 |
| 5124-30-1 | Cyclohexane, 1,1'-methylenebis(4-isocyanato- | 10/29/90 | 12/27/90 |
| 5873-54-1 | Benzene, 1-isocyanato-2-((4-isocyanatophenyl)methyl)- | 10/29/90 | 12/27/90 |
| 10031-75-1 | Benzene, 1,1'-(disiocyanatomethylene)bis- | 10/29/90 | 12/27/90 |
| 15646-96-5 | Hexane, 1,6-disiocyanato-2,4,4-trimethyl- | 10/29/90 | 12/27/90 |
| 16938-22-0 | Hexane, 1,6-disiocyanato-2,2,4-trimethyl- | 10/29/90 | 12/27/90 |
| 25854-16-4 | Benzene, bis(isocyanatomethyl)- | 10/29/90 | 12/27/90 |
| 26447-40-5 | Benzene, 1,1'-methylenebis(isocyanato- | 10/29/90 | 12/27/90 |
| 26603-40-7 | 1,3,5-Triazine-2,4,6(1H,3H,5H-trione, 1,3,5-tris(3-isocyanatomethylphenyl)- | 10/29/90 | 12/27/90 |
| 26747-90-0 | 1,3-Diazetidine-2,4-dione, 1,3-bis(3-isocyanatomethylphenyl)- | 10/29/90 | 12/27/90 |

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| Isocyanates | | | |
| 28178-42-9 | Benzene, 2-isocyanato-1,3-bis(1-methylethyl)- | 10/29/90 | 12/27/90 |
| 28556-81-2 | Benzene, 2-isocyanato-1,3-dimethyl- | 10/29/90 | 12/27/90 |
| 30674-80-7 | 2-Propenoic acid, 2-methyl-,2-isocyanatoethyl ester | 10/29/90 | 12/27/90 |
| 34893-92-0 | Benzene, 1,3-dichloro-5-isocyanato- | 10/29/90 | 12/27/90 |
| 68239-06-5 | Cyclohexane, 2-heptyl-3,4-bis(9-isocyanatononyl)-1-pentyl- | 10/29/90 | 12/27/90 |
| 73597-26-9 | 2-Propenoic acid, 2-methyl-, 2-(((5-isocyanato-1,3,3-trimethylcyclohexyl) methylyl)amino)carbonyl)oxyethyl ester. | 10/29/90 | 12/27/90 |
| Methyl ethylene glycol ethers and esters | | | |
| 3121-61-7 | Ethylene glycol monomethyl ether acrylate | 1/26/94 | 3/28/94 |
| 23783-42-8 | Tetraethylene glycol monomethyl ether | 1/26/94 | 3/28/94 |
| Nonylphenol ethoxylates | | | |
| 7311-27-5 | Ethanol, 2-[2-[2-(p-nonylphenoxy)ethoxy]ethoxy]ethoxy- | 2/10/00 | 4/10/00 |
| 9016-45-9 | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy- | 2/10/00 | 4/10/00 |
| 20427-84-3 | Ethanol, 2-[2-(p-nonylphenoxy)ethoxy]- | 2/10/00 | 4/10/00 |
| 20636-48-0 | 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(4-nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 26027-38-3 | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy- | 2/10/00 | 4/10/00 |
| 26264-02-8 | 3,6,9,12-Tetraoxatetradecan-1-ol, 14-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 26571-11-9 | 3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 26-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 27176-93-8 | Ethanol, 2-[2-(nonylphenoxy)ethoxy]- | 2/10/00 | 4/10/00 |
| 27177-01-1 | 3,6,9,12,15-Pentaoxahexadecan-1-ol, 17-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 27177-05-5 | 3,6,9,12,15,18,21,24-Octaoxahexacosan-1-ol, 23-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 27177-08-8 | 3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 27986-36-3 | Ethanol, 2-(nonylphenoxy)- | 2/10/00 | 4/10/00 |
| 37205-87-1 | Poly(oxy-1,2-ethanediyl), alpha-(isononylphenyl)-omega-hydroxy- | 2/10/00 | 4/10/00 |
| 51938-25-1 | Poly(oxy-1,2-ethanediyl), alpha-(2-nonylphenyl)-omega-hydroxy- | 2/10/00 | 4/10/00 |
| 65455-72-3 | 3,6,9,12,15,18,21,24,27-Nonaoxanonacosan-1-ol, 29-(isononylphenoxy)- | 2/10/00 | 4/10/00 |
| 68412-54-4 | Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched | 2/10/00 | 4/10/00 |
| 98113-10-1 | NP9 | 2/10/00 | 4/10/00 |
| 127087-87-0 | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched | 2/10/00 | 4/10/00 |
| 152143-22-1 | Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched, phosphates. | 2/10/00 | 4/10/00 |
| OSHA Chemicals in Need of Dermal Absorption Testing | | | |
| 60-29-7 | Ethyl ether | 1/26/94 | 3/28/94 |
| 61-82-5 | Amitrole | 3/11/94 | 5/10/94 |
| 74-96-4 | Ethyl bromide | 3/11/94 | 5/10/94 |
| 75-05-8 | Acetonitrile | 8/4/95 | 10/3/95 |
| 75-12-7 | Formamide | 8/4/95 | 10/3/95 |
| 75-15-0 | Carbon disulfide | 3/11/94 | 5/10/94 |
| 75-25-2 | Bromoform | 3/11/94 | 5/10/94 |
| 75-34-3 | 1,1-Dichloroethane | 3/11/94 | 5/10/94 |
| 75-35-4 | Vinylidene chloride | 8/4/95 | 10/3/95 |
| 75-65-0 | tert-Butyl alcohol | 1/26/94 | 3/28/94 |
| 76-22-2 | Camphor | 1/26/94 | 3/28/94 |
| 77-73-6 | Dicyclopentadiene | 8/4/95 | 10/3/95 |
| 77-78-1 | Dimethyl sulfate | 3/11/94 | 5/10/94 |
| 78-59-1 | Isophorone | 8/4/95 | 10/3/95 |
| 78-87-5 | Propylene dichloride | 8/4/95 | 10/3/95 |
| 78-92-2 | sec-Butyl alcohol | 1/26/94 | 3/28/94 |
| 79-20-9 | Methyl acetate | 1/26/94 | 3/28/94 |
| 79-46-9 | 2-Nitropropane | 3/11/94 | 5/10/94 |
| 88-72-2 | o-Nitrotoluene | 3/11/94 | 5/10/94 |
| 89-72-5 | o-sec-Butylphenol | 3/11/94 | 5/10/94 |
| 90-04-0 | o-Anisidine | 3/11/94 | 5/10/94 |
| 91-20-3 | Naphthalene | 8/4/95 | 10/3/95 |
| 92-52-4 | Biphenyl | 8/4/95 | 10/3/95 |
| 95-13-6 | Indene | 3/11/94 | 5/10/94 |
| 95-49-8 | o-Chlorotoluene | 3/11/94 | 5/10/94 |
| 95-50-1 | o-Dichlorobenzene | 8/4/95 | 10/3/95 |
| 96-18-4 | 1,2,3-Trichloropropane | 8/4/95 | 10/3/95 |
| 97-77-8 | Disulfiram | 1/26/94 | 3/28/94 |
| 98-29-3 | t-Butylcatechol | 8/4/95 | 10/3/95 |
| 99-08-1 | m-Nitrotoluene | 8/4/95 | 10/3/95 |
| 99-65-0 | m-Dinitrobenzene | 3/11/94 | 5/10/94 |
| 99-99-0 | p-Nitrotoluene | 8/4/95 | 10/3/95 |
| 100-00-5 | p-Nitrochlorobenzene | 3/11/94 | 5/10/94 |
| 100-01-6 | p-Nitroaniline | 3/11/94 | 5/10/94 |

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| Siloxanes | | | |
| 100-44-7 | Benzyl chloride | 3/11/94 | 5/10/94 |
| 100-25-4 | p-Dinitrobenzene | 1/26/94 | 3/28/94 |
| 100-63-0 | Phenyldiazine | 3/11/94 | 5/10/94 |
| 105-46-4 | sec-Butyl acetate | 1/26/94 | 3/28/94 |
| 106-42-3 | p-Xylene | 1/26/94 | 3/28/94 |
| 106-46-7 | p-Dichlorobenzene | 8/4/95 | 10/3/95 |
| 106-49-0 | p-Toluidine | 3/11/94 | 5/10/94 |
| 107-06-2 | Ethylene dichloride | 8/4/95 | 10/3/95 |
| 107-31-3 | Methyl formate | 1/26/94 | 3/28/94 |
| 107-66-4 | Diethyl phosphate | 1/26/94 | 3/28/94 |
| 108-03-2 | 1-Nitropropane | 1/26/94 | 3/28/94 |
| 108-44-1 | m-Toluidine | 3/11/94 | 5/10/94 |
| 108-87-2 | Methylcyclohexane | 1/26/94 | 3/28/94 |
| 108-90-7 | Chlorobenzene | 3/11/94 | 5/10/94 |
| 108-93-0 | Cyclohexanol | 8/4/95 | 10/3/95 |
| 109-66-0 | Pentane | 1/26/94 | 3/28/94 |
| 109-99-9 | Tetrahydrofuran | 3/11/94 | 5/10/94 |
| 110-12-3 | Methyl isoamyl ketone | 8/4/95 | 10/3/95 |
| 110-83-8 | Cyclohexene | 1/26/94 | 3/28/94 |
| 111-84-2 | Nonane | 1/26/94 | 3/28/94 |
| 120-80-9 | Catechol | 8/4/95 | 10/3/95 |
| 121-14-2 | 2,4-Dinitrotoluene | 3/11/94 | 5/10/94 |
| 121-69-7 | Dimethylaniline | 8/4/95 | 10/3/95 |
| 122-39-4 | Diphenylamine | 3/11/94 | 5/10/94 |
| 123-42-2 | Diacetone alcohol | 8/4/95 | 10/3/95 |
| 123-92-2 | Isoamyl acetate | 1/26/94 | 3/28/94 |
| 126-99-8 | beta-Chloroprene | 3/11/94 | 5/10/94 |
| 127-19-5 | Dimethyl acetamide | 8/4/95 | 10/3/95 |
| 142-82-5 | Heptane (<i>n</i> -Heptane) | 1/26/94 | 3/28/94 |
| 150-76-5 | p-Methoxyphenol | 3/11/94 | 5/10/94 |
| 287-92-3 | Cyclopentane | 1/26/94 | 3/28/94 |
| 528-29-0 | o-Dinitrobenzene | 3/11/94 | 5/10/94 |
| 532-27-4 | a-Chloroacetophenone | 1/26/94 | 3/28/94 |
| 540-59-0 | 1,2-Dichloroethylene | 3/11/94 | 5/10/94 |
| 540-88-5 | <i>tert</i> -Butyl acetate | 1/26/94 | 3/28/94 |
| 542-92-7 | Cyclopentadiene | 8/4/95 | 10/3/95 |
| 626-17-5 | m-Phthalodinitrile | 3/11/94 | 5/10/94 |
| 628-63-7 | <i>n</i> -Amyl acetate | 1/26/94 | 3/28/94 |
| 768-52-5 | N-Isopropylaniline | 3/11/94 | 5/10/94 |
| 1300-73-8 | Xyliidine | 3/11/94 | 5/10/94 |
| 6423-43-4 | Propylene glycol dinitrate | 3/11/94 | 5/10/94 |
| 7631-90-5 | Sodium bisulfite | 1/26/94 | 3/28/94 |
| 7681-57-4 | Sodium metabisulfite | 1/26/94 | 3/28/94 |
| 25013-15-4 | Vinyl toluene | 3/11/94 | 5/10/94 |
| 34590-94-8 | Dipropylene glycol methyl ether | 8/4/95 | 10/3/95 |
| Propylene glycol ethers and esters | | | |
| 108-65-6 | Propylene glycol monomethyl ether acetate | 1/26/94 | 3/28/94 |
| 110-98-5 | Dipropylene glycol | 1/26/94 | 3/28/94 |
| 770-35-4 | 1-Phenoxy-2-propanol | 1/26/94 | 3/28/94 |
| 20324-32-7 | 1-(2-Methoxy-1-methylethoxy)-2-propanol | 1/26/94 | 3/28/94 |
| 20324-33-8 | Tripropylene glycol methyl ether | 1/26/94 | 3/28/94 |
| 28677-93-2 | Methoxy-1-propanol | 1/26/94 | 3/28/94 |
| 29387-86-8 | Propylene glycol monobutyl ether | 1/26/94 | 3/28/94 |
| 29911-28-2 | Dipropylene glycol butyl ether | 1/26/94 | 3/28/94 |
| 42978-66-5 | Tripropylene glycol diacrylate | 1/26/94 | 3/28/94 |
| 57018-52-7 | Propylene glycol mono- <i>tert</i> -butyl ether | 1/26/94 | 3/28/94 |
| 88917-22-0 | Dipropylene glycol monomethyl ether acetate | 1/26/94 | 3/28/94 |
| Pyridinamines | | | |
| 462-08-8 | 3-Pyridinamine | 1/6/05 | 3/7/05 |
| 504-24-5 | 4-Pyridinamine | 1/6/05 | 3/7/05 |
| 504-29-0 | 2-Pyridinamine | 1/6/05 | 3/7/05 |
| Siloxanes | | | |
| 107-46-0 | Hexamethylcyclotetrasiloxane | 10/12/93 | 2/28/94 |
| 107-50-6 | Tetradecamethylcycloheptasiloxane | 10/12/93 | 2/28/94 |
| 107-51-7 | Octamethyltrisiloxane | 10/12/93 | 2/28/94 |
| 107-52-8 | Tetradecamethylhexasiloxane | 10/12/93 | 2/28/94 |

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| Siloxanes | | | |
| 107-53-9 | Tetracosamethylundecasiloxane | 10/12/93 | 2/28/94 |
| 141-62-8 | Decamethyltetrasiloxane | 10/12/93 | 2/28/94 |
| 141-63-9 | Dodecamethylpentasiloxane | 10/12/93 | 2/28/94 |
| 540-97-6 | Dodecamethylcyclohexasiloxane | 10/12/93 | 2/28/94 |
| 541-01-5 | Hexadecamethylheptasiloxane | 10/12/93 | 2/28/94 |
| 541-02-6 | Decamethylcyclopentasiloxane | 10/12/93 | 2/28/94 |
| 541-05-9 | Hexamethylcyclotrisiloxane | 10/12/93 | 2/28/94 |
| 546-56-5 | Octaphenylcyclotetrasiloxane | 10/12/93 | 2/28/94 |
| 556-67-2 | Octamethylcyclotetrasiloxane | 10/12/93 | 2/28/94 |
| 556-68-3 | Hexadecamethylcyclooctasiloxane | 10/12/93 | 2/28/94 |
| 556-69-4 | Octadecamethyloctasiloxane | 10/12/93 | 2/28/94 |
| 556-70-7 | Docosamethyldecasiloxane | 10/12/93 | 2/28/94 |
| 556-71-8 | Octadecamethylcyclononasiloxane | 10/12/93 | 2/28/94 |
| 999-97-3 | Hexamethylsilazane | 10/12/93 | 2/28/94 |
| 2370-88-9 | Tetramethylcyclotetrasiloxane | 10/12/93 | 2/28/94 |
| 2374-14-3 | Trifluoropropylmethylcyclotrisiloxane | 10/12/93 | 2/28/94 |
| 2471-08-1 | Hexacosamethyldodecasiloxane | 10/12/93 | 2/28/94 |
| 2471-09-2 | Octacosamethyltridecasiloxane | 10/12/93 | 2/28/94 |
| 2471-10-5 | Tricontamethyltetradecasiloxane | 10/12/93 | 2/28/94 |
| 2471-11-6 | Dotricontamethylpentadecasiloxane | 10/12/93 | 2/28/94 |
| 2554-06-5 | Methylvinylcyclosiloxane | 10/12/93 | 2/28/94 |
| 2627-95-4 | Tetramethylvinylidilsiloxane | 10/12/93 | 2/28/94 |
| 2652-13-3 | Eicosamethylnonasiloxane | 10/12/93 | 2/28/94 |
| 70131-67-8 | Siloxanes and silicones, di-Me, hydroxy-terminated | 10/12/93 | 2/28/94 |
| 9004-73-3 | Methylpolysiloxane | 10/12/93 | 2/28/94 |
| 18766-38-6 | Docosamethylcycloundecasiloxane | 10/12/93 | 2/28/94 |
| 18772-36-6 | Eicosamethylcyclodecasiloxane | 10/12/93 | 2/28/94 |
| 18844-04-7 | Hexatricontamethylheptadecasiloxane | 10/12/93 | 2/28/94 |
| 18919-94-3 | Tetracosamethylcyclododecasiloxane | 10/12/93 | 2/28/94 |
| 23523-12-8 | Hexatricontamethylcyclooctadecasiloxane | 10/12/93 | 2/28/94 |
| 23523-14-0 | Tricontamethylcyclopentadecasiloxane | 10/12/93 | 2/28/94 |
| 23732-94-7 | Hexacosamethylcyclotridecasiloxane | 10/12/93 | 2/28/94 |
| 36938-50-8 | Tetracontamethyl hexadecasiloxane | 10/12/93 | 2/28/94 |
| 36938-52-0 | Octatricontamethyl octadecasiloxane | 10/12/93 | 2/28/94 |
| 63148-62-9 | Dimethyl silicones and siloxanes | 10/12/93 | 2/28/94 |
| 67762-90-7 | Dimethyl silicones and siloxane, reaction products with silica | 10/12/93 | 2/28/94 |
| 67762-94-1 | Dimethylmethylinylsiloxane | 10/12/93 | 2/28/94 |
| 68037-59-2 | Dimethylhydropolysiloxane | 10/12/93 | 2/28/94 |
| 68037-74-1 | Dimethylpolysiloxanes | 10/12/93 | 2/28/94 |
| 68083-14-7 | Dimethylphenylsiloxane | 10/12/93 | 2/28/94 |
| 69430-24-6 | Cyclopolydimethylsiloxane | 10/12/93 | 2/28/94 |
| 115361-68-7 | Dimethylmethyl 3,3,3-trifluoropropyl siloxane | 10/12/93 | 2/28/94 |
| 149050-40-8 | Octacosamethylcyclotetradecasiloxane | 10/12/93 | 2/28/94 |
| 150026-95-2 | Dotricontamethylcyclohexadecasiloxane | 10/12/93 | 2/28/94 |
| 150026-96-3 | Tetracontamethylcycloheptadecasiloxane | 10/12/93 | 2/28/94 |
| 150026-97-4 | Octatricontamethylcyclononadecasiloxane | 10/12/93 | 2/28/94 |
| 150026-98-5 | Tetracontamethylcycloicosasiloxane | 10/12/93 | 2/28/94 |
| 150026-99-6 | Tetracontamethylnonadecasiloxane | 10/12/93 | 2/28/94 |
| 150027-00-2 | Dotetracontamethylleicosasiloxane | 10/12/93 | 2/28/94 |
| not available | Polymethyloctadecylsiloxane | 10/12/93 | 2/28/94 |

Substantially produced chemicals in need of subchronic tests

| | | | |
|----------|--|---------|----------|
| 80-51-3 | p,p'-Oxybis(benzenesulfonylhydrazide) | 9/30/91 | 11/27/91 |
| 81-84-5 | Naphthalenedicarboxylic anhydride | 9/30/91 | 11/27/91 |
| 84-51-5 | 2-Ethylanthraquinone | 9/30/91 | 11/27/91 |
| 87-02-5 | 7-Amino-4-hydroxy-2-naphthalenesulfonic acid | 9/30/91 | 11/27/91 |
| 90-15-3 | 1-Naphthol | 9/30/91 | 11/27/91 |
| 92-70-6 | 3-Hydroxy-2-naphthoic acid | 9/30/91 | 11/27/91 |
| 94-28-0 | Triethylene glycol bis(2-ethylhexanoate) | 9/30/91 | 11/27/91 |
| 95-32-9 | 2-(4-Morpholinylidithio)-benzothiazole | 9/30/91 | 11/27/91 |
| 97-88-1 | N-Butyl methacrylate | 9/30/91 | 11/27/91 |
| 98-48-6 | 1,3-Benzenedisulfonic Acid | 9/30/91 | 11/27/91 |
| 99-54-7 | 3,4-Dichloronitrobenzene | 9/30/91 | 11/27/91 |
| 99-63-8 | Isophthaloyl chloride | 9/30/91 | 11/27/91 |
| 100-20-9 | Terephthaloyl chloride | 9/30/91 | 11/27/91 |
| 100-29-8 | 4-Ethoxynitrobenzene | 9/30/91 | 11/27/91 |
| 102-01-2 | Acetoacetanilide | 9/30/91 | 11/27/91 |
| 106-31-0 | Butyric anhydride | 9/30/91 | 11/27/91 |
| 106-63-8 | Isobutyl acrylate | 9/30/91 | 11/27/91 |
| 111-96-6 | Diethylene glycol dimethyl ether | 9/30/91 | 11/27/91 |

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| Substantially produced chemicals in need of subchronic tests | | | |
| 112-15-2 | Ethanol, 2-(2-ethoxyethoxy)-, acetate | 9/30/91 | 11/27/91 |
| 116-81-4 | Bromamine acid | 9/30/91 | 11/27/91 |
| 119-33-5 | 4-Methyl-2-nitro-phenol | 9/30/91 | 11/27/91 |
| 121-60-8 | 4-(Acetylamino)benzenesulfonyl chloride | 9/30/91 | 11/27/91 |
| 123-54-6 | 2,4-Pentanedione | 9/30/91 | 11/27/91 |
| 123-62-6 | Propanoic anhydride | 9/30/91 | 11/27/91 |
| 142-16-5 | Bis(2-ethylhexyl)-2-butenedioate | 9/30/91 | 11/27/91 |
| 311-89-7 | Perfluorotributylamine | 9/30/91 | 11/27/91 |
| 355-42-0 | Perfluoro-N-hexane | 9/30/91 | 11/27/91 |
| 594-42-3 | Trichloromethanesulfonyl chloride | 9/30/91 | 11/27/91 |
| 616-21-7 | 1,2-Dichlorobutane | 9/30/91 | 11/27/91 |
| 626-17-5 | 1,3-Dicyanobenzene | 9/30/91 | 11/27/91 |
| 760-23-6 | 3,4-Dichlorobutene | 9/30/91 | 11/27/91 |
| 929-06-6 | 2-(2-Aminooxy)-ethanol | 6/30/92 | 9/28/92 |
| 1047-16-1 | Quinacridone | 9/30/91 | 11/27/91 |
| 1111-78-0 | Ammonium carbamate | 9/30/91 | 11/27/91 |
| 3089-11-0 | Hexa(methoxymethyl) melamine | 9/30/91 | 11/27/91 |

Sulphones

| | | | |
|------------|--|---------|----------|
| 67-71-0 | Dimethylsulfone | 9/30/91 | 11/27/91 |
| 77-79-2 | 3-Sulfolene | 9/30/91 | 11/27/91 |
| 80-07-9 | Sulfonyl bis-(4-chlorobenzene) | 9/30/91 | 11/27/91 |
| 80-08-0 | 4,4'-Diaminodiphenyl sulfone | 9/30/91 | 11/27/91 |
| 80-09-1 | Bisphenol S | 9/30/91 | 11/27/91 |
| 98-30-6 | 2-Amino-4-(methylsulfonyl)phenol | 9/30/91 | 11/27/91 |
| 126-33-0 | Sulfolane | 9/30/91 | 11/27/91 |
| 127-63-9 | Diphenylsulfone | 9/30/91 | 11/27/91 |
| 2580-77-0 | 2,2'-Sulfonyl bis-ethanol | 9/30/91 | 11/27/91 |
| 3278-22-6 | 1,1'-[Methylene bis(sulfonyl)]bisethene | 9/30/91 | 11/27/91 |
| 5246-57-1 | 2-[(3-Aminophenyl)sulfonyl]ethanol | 9/30/91 | 11/27/91 |
| 16588-67-3 | 3-[N-Ethyl-4-[6-(methylsulfonyl)-2-benzothiazolyl] azo-m-toluidino]- propionitrile | 9/30/91 | 11/27/91 |
| 17557-67-4 | 6-(Methylsulfonyl)-2-benzothiazolamine | 9/30/91 | 11/27/91 |
| 17601-96-6 | 2-Amino-4-[(2-hydroxyethyl) sulfonyl]phenol | 9/30/91 | 11/27/91 |
| 17688-68-5 | 4-Phenylthiomorpholine, 1,1-dioxide | 9/30/91 | 11/27/91 |
| 17741-62-7 | 4-[4-[(2,6-Dichloro-4-nitrophenyl) azo]phenyl]thiomorpholine, 1,1-dioxide- | 9/30/91 | 11/27/91 |
| 18760-44-6 | 3-Decyloxy)tetrahydrothiophene 1,1-dioxide | 9/30/91 | 11/27/91 |
| 20018-09-1 | 1-(Diiodomethyl) sulfonyl-4-methyl benzene | 9/30/91 | 11/27/91 |
| 26750-50-5 | 1,1'-(Oxybis(methylene)sulfonyl)) bisethene | 9/30/91 | 11/27/91 |
| 36724-43-3 | 2,2'-(Oxybis(methylene)sulfonyl))bisethanol | 9/30/91 | 11/27/91 |
| 41123-59-5 | 1,1'-[Methylenebis(sulfonyl)]bis-2-chloroethane | 9/30/91 | 11/27/91 |
| 41123-69-7 | 2,2'-[Methylenebis(sulfonyl)]bisethanol | 9/30/91 | 11/27/91 |
| 41687-30-3 | 2-[(3-Nitrophenyl)sulfonyl]ethanol | 9/30/91 | 11/27/91 |
| 52218-35-6 | 2-[(6-Amino-2-naphthalenyl)sulfonyl]ethanol | 9/30/91 | 11/27/91 |
| 53061-10-2 | 1,1'-(Oxybis(methylene)sulfonyl))bis-2-chloroethane | 9/30/91 | 11/27/91 |
| 63134-33-8 | 4-[(4-Phenylmethoxy)phenyl]sulfonyl]phenol | 9/30/91 | 11/27/91 |

Tungsten compounds

| | | | |
|------------|---|--------|--------|
| 1314-35-8 | Tungsten oxide (WO_3) | 1/6/05 | 3/7/05 |
| 7440-33-7 | Tungsten | 1/6/05 | 3/7/05 |
| 7783-03-1 | Tungstate (WO_4^{2-}), dihydrogen, (T-4)- | 1/6/05 | 3/7/05 |
| 7783-82-6 | Tungsten fluoride (WF_6), (OC-6-11)- | 1/6/05 | 3/7/05 |
| 7790-60-5 | Tungstate (WO_4^{2-}), dipotassium, (T-4)- | 1/6/05 | 3/7/05 |
| 7790-85-4 | Cadmium tungsten oxide (CdWO_4) | 1/6/05 | 3/7/05 |
| 10213-10-2 | Tungstate (WO_4^{2-}), disodium, dihydrate, (T-4)- | 1/6/05 | 3/7/05 |
| 11105-11-6 | Tungsten oxide (WO_3), hydrate | 1/6/05 | 3/7/05 |
| 11120-01-7 | Sodium tungsten oxide | 1/6/05 | 3/7/05 |
| 11120-25-5 | Tungstate ($\text{W}_{12}(\text{OH})_{40}^{10-}$), decaammonium | 1/6/05 | 3/7/05 |
| 12027-38-2 | Tungstate(4-).[mu.-12-[orthosilicato(4-). .kappa.O:.kappa.O:.kappa.O:.kappa.O: .kappa.O:.kappa.O:.kappa.O:kappa.O:.kappa.O' :.kappa.O' .kappa.O:.kappa.O' :.kappa.O']]tetraso-mu.-oxododecaoxododeca-, tetrahydrogen. | 1/6/05 | 3/7/05 |
| 12028-48-7 | Tungstate ($\text{W}_{12}(\text{OH})_{38}^{6-}$), hexaammonium | 1/6/05 | 3/7/05 |
| 12036-22-5 | Tungsten oxide (WO_2) | 1/6/05 | 3/7/05 |
| 12067-99-1 | Tungsten hydroxide oxide phosphate | 1/6/05 | 3/7/05 |
| 12138-09-9 | Tungsten sulfide (WS_2) | 1/6/05 | 3/7/05 |
| 12141-67-2 | Tungstate ($\text{W}_{12}(\text{OH})_{38}^{6-}$), hexasodium | 1/6/05 | 3/7/05 |
| 13283-01-7 | Tungsten chloride (WCl_6), (OC-6-11)- | 1/6/05 | 3/7/05 |
| 13472-45-2 | Tungstate (WO_4^{2-}), disodium, (T-4)- | 1/6/05 | 3/7/05 |
| 14040-11-0 | Tungsten carbonyl ($\text{W}(\text{CO})_6$), (OC-6-11)- | 1/6/05 | 3/7/05 |
| 23321-70-2 | Tungsten oxide (WO_3), dihydrate | 1/6/05 | 3/7/05 |

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| Tungsten compounds | | | |
| Vanadium compounds | | | |
| 1314-34-7 | Vanadium oxide (V2O3) [Vanadium trioxide] | 7/11/03 | 9/9/03 |
| 1314-62-1 | Vanadium oxide (V2O5) [Vanadium pentoxide] | 7/11/03 | 9/9/03 |
| 1686-22-2 | Vanadium, triethoxyxoxo-, (T-4)- [Triethyl orthovanadate] | 7/11/03 | 9/9/03 |
| 3153-26-2 | Vanadium, oxobis (2,4-pentanedionato-.kappa.O.,kappa.O'-), (SP-5-21)- | 7/11/03 | 9/9/03 |
| 5588-84-1 | Vanadium, oxotris(2-propanolato)-, (T-4)- [Vanadium triisopropoxide oxide] | 7/11/03 | 9/9/03 |
| 7440-62-2 | Vanadium | 7/11/03 | 9/9/03 |
| 7632-51-1 | Vanadium chloride (VC4), (T-4)- [Vanadium tetrachloride] | 7/11/03 | 9/9/03 |
| 7718-98-1 | Vanadium chloride (VC3) [Vanadium trichloride] | 7/11/03 | 9/9/03 |
| 7727-18-6 | Vanadium, trichlorooxo-, (T-4)- [Vanadium oxytrichloride] | 7/11/03 | 9/9/03 |
| 7803-55-6 | Vanadate (VO3-), ammonium [Ammonium metavanadate] | 7/11/03 | 9/9/03 |
| 10049-16-8 | Vanadium fluoride (VF4) [Vanadium tetrafluoride] | 7/11/03 | 9/9/03 |
| 10213-09-9 | Vanadium, dichlorooxo- [Vanadyl dichloride] | 7/11/03 | 9/9/03 |
| 10580-52-6 | Vanadium chloride (VC2) [Vanadium dichloride] | 7/11/03 | 9/9/03 |
| 11099-11-9 | Vanadium oxide [Polyvanadic acid] | 7/11/03 | 9/9/03 |
| 11115-67-6 | Ammonium vanadium oxide | 7/11/03 | 9/9/03 |
| 11130-21-5 | Vanadium carbide | 7/11/03 | 9/9/03 |
| 12007-37-3 | Vanadium boride (VB2) | 7/11/03 | 9/9/03 |
| 12035-98-2 | Vanadium oxide (VO) | 7/11/03 | 9/9/03 |
| 12036-21-4 | Vanadium oxide (VO2) | 7/11/03 | 9/9/03 |
| 12070-10-9 | Vanadium carbide (VC) | 7/11/03 | 9/9/03 |
| 12083-48-6 | Vanadium, dichlorobis (.eta.5-2,4-cyclopentadien-1-yl)- | 7/11/03 | 9/9/03 |
| 12166-27-7 | Vanadium sulfide (VS) | 7/11/03 | 9/9/03 |
| 12439-96-2 | Vanadium, oxosulfato(2-).kappa.O]-, pentahydrate [Vanadyl sulfate (VOSO4), pentahydrate]. | 7/11/03 | 9/9/03 |
| 12604-58-9 | Vanadium alloy, base, V,C,Fe (Ferrovanadium) | 7/11/03 | 9/9/03 |
| 13470-26-3 | Vanadium bromide (VBr3) | 7/11/03 | 9/9/03 |
| 13476-99-8 | Vanadium, tris(2,4-pentanedionato-.kappa.O.,kappa.O'-), (OC-6-11)- [Vanadium tris(acetylacetone)]. | 7/11/03 | 9/9/03 |
| 13497-94-4 | Silver vanadium oxide (AgVO3) | 7/11/03 | 9/9/03 |
| 13517-26-5 | Sodium vanadium oxide (Na4V2O7) [Sodium pyrovanadate] | 7/11/03 | 9/9/03 |
| 13718-26-8 | Vanadate (VO3-), sodium [Sodium metavanadate] | 7/11/03 | 9/9/03 |
| 13721-39-6 | Sodium vanadium oxide (Na3VO4) [Sodium orthovanadate] | 7/11/03 | 9/9/03 |
| 13769-43-2 | Vanadate (VO3-), potassium [Potassium metavanadate] | 7/11/03 | 9/9/03 |
| 13930-88-6 | Vanadium, oxo[29H,31H-phthalocyaninato(2-).kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (SP-5-12)-. | 7/11/03 | 9/9/03 |
| 14059-33-7 | Bismuth vanadium oxide (BiVO4) | 7/11/03 | 9/9/03 |
| 19120-62-8 | Vanadium, tris(2-methyl-1-propanolato)oxo-, (T-4)- [Isobutyl orthovanadate] | 7/11/03 | 9/9/03 |
| 24646-85-3 | Vanadium nitride (VN) | 7/11/03 | 9/9/03 |
| 27774-13-6 | Vanadium, oxosulfato(2-).kappa.O]- [Vanadyl sulfate] | 7/11/03 | 9/9/03 |
| 30486-37-4 | Vanadium hydroxide oxide (V(OH)2O) | 7/11/03 | 9/9/03 |
| 39455-80-6 | Ammonium sodium vanadium oxide | 7/11/03 | 9/9/03 |
| 53801-77-7 | Bismuth vanadium oxide | 7/11/03 | 9/9/03 |
| 65232-89-5 | Vanadium hydroxide oxide phosphate | 7/11/03 | 9/9/03 |
| 68130-18-7 | Vanadium hydroxide oxide phosphate (V6(OH)3O3(PO4)7) | 7/11/03 | 9/9/03 |
| 68815-09-8 | Naphthenic acids, vanadium salts | 7/11/03 | 9/9/03 |
| 68990-29-4 | Balsams, copaiba, sulfurized, vanadium salts | 7/11/03 | 9/9/03 |
| Voluntary HPV Challenge Program orphan (unsponsored) chemicals | | | |
| 62-56-6 | Thiourea | September 29, 2006 | November 28, 2006 |
| 77-76-9 | Propane, 2,2-dimethoxy- | September 29, 2006 | November 28, 2006 |
| 81-07-2 | 1,2-Benzothiazol-3(2H)-one, 1,1-dioxide | September 29, 2006 | November 28, 2006 |
| 81-16-3 | 1-Naphthalenesulfonic acid, 2-amino- | September 29, 2006 | November 28, 2006 |
| 81-84-5 | 1H,3H-Naphtho[1,8-cd]pyran-1,3-dione | September 29, 2006 | November 28, 2006 |
| 83-41-0 | Benzene, 1,2-dimethyl-3-nitro- | September 29, 2006 | November 28, 2006 |
| 84-69-5 | 1,2-Benzenedicarboxylic acid, bis(2-methylpropyl) ester | September 29, 2006 | November 28, 2006 |
| 85-40-5 | 1H-Isoindole-1,3(2H)-dione, 3a,4,7a-tetrahydro- | September 29, 2006 | November 28, 2006 |
| 91-68-9 | Phenol, 3-(diethylamino)- | September 29, 2006 | November 28, 2006 |
| 94-96-2 | 1,3-Hexanediol, 2-ethyl- | September 29, 2006 | November 28, 2006 |

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| 96-22-0 | 3-Pentanone | September 29, 2006 | November 28, 2006 |
| 97-00-7 | Benzene, 1-chloro-2,4-dinitro- | September 29, 2006 | November 28, 2006 |
| 98-09-9 | Benzenesulfonyl chloride | September 29, 2006 | November 28, 2006 |
| 98-16-8 | Benzenamine, 3-(trifluoromethyl)- | September 29, 2006 | November 28, 2006 |
| 98-56-6 | Benzene, 1-chloro-4-(trifluoromethyl)- | September 29, 2006 | November 28, 2006 |
| 101-34-8 | 9-Octadecenoic acid, 12-(acetoxy)-, 1,2,3-propanetriyl ester, (9Z,9',12R,12'R,12")- | September 29, 2006 | November 28, 2006 |
| 104-66-5 | Benzene, 1,1'-[1,2-ethanediylbis(oxy)]bis- | September 29, 2006 | November 28, 2006 |
| 104-93-8 | Benzene, 1-methoxy-4-methyl- | September 29, 2006 | November 28, 2006 |
| 107-39-1 | 1-Pentene, 2,4,4-trimethyl- | September 29, 2006 | November 28, 2006 |
| 107-40-4 | 2-Pentene, 2,4,4-trimethyl- | September 29, 2006 | November 28, 2006 |
| 110-18-9 | 1,2-Ethanediamine, N,N,N',N'-tetramethyl- | September 29, 2006 | November 28, 2006 |
| 110-33-8 | Hexanedioic acid, dihexyl ester | September 29, 2006 | November 28, 2006 |
| 111-44-4 | Ethane, 1,1'-oxybis[2-chloro- | September 29, 2006 | November 28, 2006 |
| 111-85-3 | Octane, 1-chloro- | September 29, 2006 | November 28, 2006 |
| 111-91-1 | Ethane, 1,1'-[methylenebis(oxy)]bis[2-chloro- | September 29, 2006 | November 28, 2006 |
| 118-90-1 | Benzoic acid, 2-methyl- | September 29, 2006 | November 28, 2006 |
| 119-33-5 | Phenol, 4-methyl-2-nitro- | September 29, 2006 | November 28, 2006 |
| 121-69-7 | Benzenamine, N,N-dimethyl- | September 29, 2006 | November 28, 2006 |
| 121-82-4 | 1,3,5-Triazine, hexahydro-1,3,5-trinitro- | September 29, 2006 | November 28, 2006 |
| 124-63-0 | Methanesulfonyl chloride | September 29, 2006 | November 28, 2006 |
| 127-68-4 | Benzenesulfonic acid, 3-nitro-, sodium salt | September 29, 2006 | November 28, 2006 |
| 131-57-7 | Methanone, (2-hydroxy-4-methoxyphenyl)phenyl- | September 29, 2006 | November 28, 2006 |
| 137-20-2 | Ethanesulfonic acid, 2-[methyl[(9Z)-1-oxo-9-octadecenyl]amino]-, sodium salt | September 29, 2006 | November 28, 2006 |
| 138-25-0 | 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester | September 29, 2006 | November 28, 2006 |
| 139-40-2 | 1,3,5-Triazine-2,4-diamine, 6-chloro-N,N'-bis(1-methylethyl)- | September 29, 2006 | November 28, 2006 |
| 140-93-2 | Carbonodithioic acid, O-(1-methylethyl) ester, sodium salt | September 29, 2006 | November 28, 2006 |
| 142-73-4 | Glycine, N-(carboxymethyl)- | September 29, 2006 | November 28, 2006 |
| 330-54-1 | Urea, N'-(3,4-dichlorophenyl)-N,N-dimethyl- | September 29, 2006 | November 28, 2006 |
| 460-00-4 | Benzene, 1-bromo-4-fluoro- | September 29, 2006 | November 28, 2006 |
| 506-51-4 | 1-Tetracosanol | September 29, 2006 | November 28, 2006 |
| 506-52-5 | 1-Hexacosanol | September 29, 2006 | November 28, 2006 |
| 513-74-6 | Carbamodithioic acid, monoammonium salt | September 29, 2006 | November 28, 2006 |
| 515-40-2 | Benzene, (2-chloro-1,1-dimethylethyl)- | September 29, 2006 | November 28, 2006 |
| 529-33-9 | 1-Naphthalenol, 1,2,3,4-tetrahydro- | September 29, 2006 | November 28, 2006 |
| 529-34-0 | 1(2H)-Naphthalenone, 3,4-dihydro- | September 29, 2006 | November 28, 2006 |

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| 542-92-7 | 1,3-Cyclopentadiene | September 29, 2006 | November 28, 2006 |
| 557-61-9 | 1-Octacosanol | September 29, 2006 | November 28, 2006 |
| 563-72-4 | Ethanedioic acid, calcium salt (1:1) | September 29, 2006 | November 28, 2006 |
| 590-19-2 | 1,2-Butadiene | September 29, 2006 | November 28, 2006 |
| 592-45-0 | 1,4-Hexadiene | September 29, 2006 | November 28, 2006 |
| 598-72-1 | Propanoic acid, 2-bromo- | September 29, 2006 | November 28, 2006 |
| 617-94-7 | Benzene-methanol, .alpha.,.alpha.-dimethyl- | September 29, 2006 | November 28, 2006 |
| 628-13-7 | Pyridine, hydrochloride | September 29, 2006 | November 28, 2006 |
| 628-96-6 | 1,2-Ethanediol, dinitrate | September 29, 2006 | November 28, 2006 |
| 645-62-5 | 2-Hexenal, 2-ethyl- | September 29, 2006 | November 28, 2006 |
| 693-95-8 | Thiazole, 4-methyl- | September 29, 2006 | November 28, 2006 |
| 756-80-9 | Phosphorodithioic acid, O,O-dimethyl ester | September 29, 2006 | November 28, 2006 |
| 870-72-4 | Methanesulfonic acid, hydroxy-, monosodium salt | September 29, 2006 | November 28, 2006 |
| 928-72-3 | Glycine, N-(carboxymethyl)-, disodium salt | September 29, 2006 | November 28, 2006 |
| 939-97-9 | Benzaldehyde, 4-(1,1-dimethylethyl)- | September 29, 2006 | November 28, 2006 |
| 1000-82-4 | Urea, (hydroxymethyl)- | September 29, 2006 | November 28, 2006 |
| 1002-69-3 | Decane, 1-chloro- | September 29, 2006 | November 28, 2006 |
| 1111-78-0 | Carbamic acid, monoammonium salt | September 29, 2006 | November 28, 2006 |
| 1401-55-4 | Tannins | September 29, 2006 | November 28, 2006 |
| 1445-45-0 | Ethane, 1,1,1-trimethoxy- | September 29, 2006 | November 28, 2006 |
| 1498-51-7 | Phosphorodichloridic acid, ethyl ester | September 29, 2006 | November 28, 2006 |
| 1738-25-6 | Propanenitrile, 3-(dimethylamino)- | September 29, 2006 | November 28, 2006 |
| 1912-24-9 | 1,3,5-Triazine-2,4-diamine, 6-chloro-N-ethyl-N'-(1-methylethyl)- | September 29, 2006 | November 28, 2006 |
| 2152-64-9 | Benzenamine, N-phenyl-4-[(4-(phenylamino)phenyl][4-(phenylimino)-2,5-cyclohexadien-1-ylidene]methyl]-, monohydrochloride. | September 29, 2006 | November 28, 2006 |
| 2210-79-9 | Oxirane, [(2-methylphenoxy)methyl]- | September 29, 2006 | November 28, 2006 |
| 2372-45-4 | 1-Butanol, sodium salt | September 29, 2006 | November 28, 2006 |
| 2409-55-4 | Phenol, 2-(1,1-dimethylethyl)-4-methyl- | September 29, 2006 | November 28, 2006 |
| 2425-54-9 | Tetradecane, 1-chloro- | September 29, 2006 | November 28, 2006 |
| 2494-89-5 | Ethanol, 2-[(4-aminophenyl)sulfonyl]-, hydrogen sulfate (ester) | September 29, 2006 | November 28, 2006 |
| 2524-03-0 | Phosphorochloridothioic acid, O,O-dimethyl ester | September 29, 2006 | November 28, 2006 |
| 2691-41-0 | 1,3,5,7-Tetrazocine, octahydro-1,3,5,7-tetranitro- | September 29, 2006 | November 28, 2006 |
| 2814-20-2 | 4(1H)-Pyrimidinone, 6-methyl-2-(1-methylethyl)- | September 29, 2006 | November 28, 2006 |
| 2905-62-6 | Benzoyl chloride, 3,5-dichloro- | September 29, 2006 | November 28, 2006 |
| 2915-53-9 | 2-Butenedioic acid (2Z)-, diethyl ester | September 29, 2006 | November 28, 2006 |
| 3039-83-6 | Ethenesulfonic acid, sodium salt | September 29, 2006 | November 28, 2006 |

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| 3132-99-8 | Benzaldehyde, 3-bromo- | September 29, 2006 | November 28, 2006 |
| 3386-33-2 | Octadecane, 1-chloro- | September 29, 2006 | November 28, 2006 |
| 3779-63-3 | 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris(6-isocyanatohexyl)- | September 29, 2006 | November 28, 2006 |
| 3965-55-7 | 1,3-Benzenedicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt | September 29, 2006 | November 28, 2006 |
| 4035-89-6 | Imidodicarbonic diamide, N,N',2-tris(6-isocyanatohexyl)- | September 29, 2006 | November 28, 2006 |
| 4170-30-3 | 2-Butenal | September 29, 2006 | November 28, 2006 |
| 4316-73-8 | Glycine, N-methyl-, monosodium salt | September 29, 2006 | November 28, 2006 |
| 4860-03-1 | Hexadecane, 1-chloro- | September 29, 2006 | November 28, 2006 |
| 5026-74-4 | Oxiranemethanamine, N-[4-(oxiranylmethoxy)phenyl]-N-(oxiranylmethyl)- | September 29, 2006 | November 28, 2006 |
| 5216-25-1 | Benzene, 1-chloro-4-(trichloromethyl)- | September 29, 2006 | November 28, 2006 |
| 5460-09-3 | 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, monosodium salt | September 29, 2006 | November 28, 2006 |
| 5915-41-3 | 1,3,5-Triazine-2,4-diamine, 6-chloro-N-(1,1-dimethylethyl)-N'-ethyl- | September 29, 2006 | November 28, 2006 |
| 6473-13-8 | 2-Naphthalenesulfonic acid, 6-[(2,4-diaminophenyl)azo]-3-[[4-[[4-[[7-[(2,4-diaminophenyl)azo]-1-hydroxy-3-sulfo-2-naphthalenyl]azo]phenyl]amino]-3-sulfophenyl]azo]-4-hydroxy-, trisodium salt. | September 29, 2006 | November 28, 2006 |
| 7795-95-1 | 1-Octanesulfonyl chloride | September 29, 2006 | November 28, 2006 |
| 8001-58-9 | Creosote | September 29, 2006 | November 28, 2006 |
| 10265-69-7 | Glycine, N-phenyl-, monosodium salt | September 29, 2006 | November 28, 2006 |
| 13749-94-5 | Ethanimidothioic acid, N-hydroxy-, methyl ester | September 29, 2006 | November 28, 2006 |
| 13826-35-2 | Benzenemethanol, 3-phenoxy- | September 29, 2006 | November 28, 2006 |
| 17103-31-0 | Urea, sulfate (2:1) | September 29, 2006 | November 28, 2006 |
| 17321-47-0 | Phosphoramidothioic acid, O,O-dimethyl ester | September 29, 2006 | November 28, 2006 |
| 17976-43-1 | 2,4,6,8,3,5,7-Benzotetraoxatriplumbacycloundecin-3,5,7-triylidene, 1,9-dihydro-1,9-dioxo- | September 29, 2006 | November 28, 2006 |
| 19438-61-0 | 1,3-Isobenzofurandione, 5-methyl- | September 29, 2006 | November 28, 2006 |
| 19525-59-8 | Glycine, N-phenyl-, monopotassium salt | September 29, 2006 | November 28, 2006 |
| 20068-02-4 | 2-Butenenitrile, 2-methyl-, (2Z)- | September 29, 2006 | November 28, 2006 |
| 20227-53-6 | Phosphorous acid, 2-(1,1-dimethylethyl)-4-[1-[3-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-methylethyl]phenyl bis(4-nonylphenyl) ester. | September 29, 2006 | November 28, 2006 |
| 21351-39-3 | Urea, sulfate (1:1) | September 29, 2006 | November 28, 2006 |
| 22527-63-5 | Propanoic acid, 2-methyl-, 3-(benzoyloxy)-2,2,4-trimethylpentyl ester | September 29, 2006 | November 28, 2006 |
| 24615-84-7 | 2-Propenoic acid, 2-carboxyethyl ester | September 29, 2006 | November 28, 2006 |
| 24794-58-9 | Formic acid, compd. with 2,2',2[ethanol] (1:1) | September 29, 2006 | November 28, 2006 |
| 25154-38-5 | Piperazineethanol | September 29, 2006 | November 28, 2006 |
| 25168-05-2 | Benzene, chloromethyl- | September 29, 2006 | November 28, 2006 |
| 25168-06-3 | Phenol, (1-methylethyl)- | September 29, 2006 | November 28, 2006 |
| 25321-41-9 | Benzenesulfonic acid, dimethyl- | September 29, 2006 | November 28, 2006 |
| 25383-99-7 | Octadecanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt | September 29, 2006 | November 28, 2006 |
| 25646-71-3 | Methanesulfonamide, N-[2-[(4-amino-3-methylphenyl)ethylamino]ethyl]-, sulfate (2:3). | September 29, 2006 | November 28, 2006 |

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| 26377-29-7 | Phosphorodithioic acid, O,O-dimethyl ester, sodium salt | September 29, 2006 | November 28, 2006 |
| 26401-27-4 | Phosphorous acid, isoctyl diphenyl ester | September 29, 2006 | November 28, 2006 |
| 26680-54-6 | 2,5-Furandione, dihydro-3-(octenyl)- | September 29, 2006 | November 28, 2006 |
| 27193-28-8 | Phenol, (1,1,3,3-tetramethylbutyl)- | September 29, 2006 | November 28, 2006 |
| 28106-30-1 | Benzene, ethenylethyl- | September 29, 2006 | November 28, 2006 |
| 28188-24-1 | Octadecanoic acid, 2-(hydroxymethyl)-2-[(1-oxooctadecyl)oxy]methyl]-1,3-propanediyl ester. | September 29, 2006 | November 28, 2006 |
| 28908-00-1 | Benzothiazole, 2-[(chloromethyl)thio]- | September 29, 2006 | November 28, 2006 |
| 30574-97-1 | 2-Butenenitrile, 2-methyl-, (2E)- | September 29, 2006 | November 28, 2006 |
| 34689-46-8 | Phenol, methyl-, sodium salt | September 29, 2006 | November 28, 2006 |
| 35203-06-6 | Benzenamine, 2-ethyl-6-methyl-N-methylene- | September 29, 2006 | November 28, 2006 |
| 35203-08-8 | Benzenamine, 2,6-diethyl-N-methylene- | September 29, 2006 | November 28, 2006 |
| 37734-45-5 | Carbonochloridothioic acid, S-(phenylmethyl) ester | September 29, 2006 | November 28, 2006 |
| 37764-25-3 | Acetamide, 2,2-dichloro-N,N-di-2-propenyl- | September 29, 2006 | November 28, 2006 |
| 38185-06-7 | Benzenesulfonic acid, 4-chloro-3,5-dinitro-, potassium salt | September 29, 2006 | November 28, 2006 |
| 38321-18-5 | Ethanol, 2-(2-butoxyethoxy)-, sodium salt | September 29, 2006 | November 28, 2006 |
| 39515-51-0 | Benzaldehyde, 3-phenoxy- | September 29, 2006 | November 28, 2006 |
| 40630-63-5 | 1-Octanesulfonyl fluoride | September 29, 2006 | November 28, 2006 |
| 40876-98-0 | Butanedioic acid, oxo-, diethyl ester, ion(1-), sodium | September 29, 2006 | November 28, 2006 |
| 51632-16-7 | Benzene, 1-(bromomethyl)-3-phenoxy- | September 29, 2006 | November 28, 2006 |
| 52184-19-7 | Phenol, 2,4-bis(1,1-dimethylpropyl)-6-[(2-nitrophenyl)azo]- | September 29, 2006 | November 28, 2006 |
| 52556-42-0 | 1-Propanesulfonic acid, 2-hydroxy-3-(2-propenoxy)-, monosodium salt | September 29, 2006 | November 28, 2006 |
| 52663-57-7 | Ethanol, 2-butoxy-, sodium salt | September 29, 2006 | November 28, 2006 |
| 56803-37-3 | Phosphoric acid, (1,1-dimethylethyl)phenyl diphenyl ester | September 29, 2006 | November 28, 2006 |
| 57693-14-8 | Chromate(3-), bis[3-(hydroxy-.kappa.O)-4-[[2-(hydroxy-.kappa.O)-1-naphthalenyl]azo-.kappa.N1]7-nitro-1-naphthalenesulfonato(3-)], trisodium. | September 29, 2006 | November 28, 2006 |
| 61788-44-1 | Phenol, styrenated | September 29, 2006 | November 28, 2006 |
| 61788-76-9 | Alkanes, chloro | September 29, 2006 | November 28, 2006 |
| 61789-85-3 | Sulfonic acids, petroleum | September 29, 2006 | November 28, 2006 |
| 63302-49-8 | Phosphorochloridous acid, bis(4-nonylphenyl) ester | September 29, 2006 | November 28, 2006 |
| 64743-02-8 | Alkenes, C>10 .alpha.- | September 29, 2006 | November 28, 2006 |
| 64743-03-9 | Phenols (petroleum) | September 29, 2006 | November 28, 2006 |
| 65996-79-4 | Solvent naphtha (coal) | September 29, 2006 | November 28, 2006 |
| 65996-82-9 | Tar oils, coal | September 29, 2006 | November 28, 2006 |
| 65996-83-0 | Extracts, coal tar oil alk. | September 29, 2006 | November 28, 2006 |
| 65996-86-3 | Extract oils (coal), tar base | September 29, 2006 | November 28, 2006 |
| 65996-87-4 | Extract residues (coal), tar oil alk. | September 29, 2006 | November 28, 2006 |

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| 65996-89-6 | Tar, coal, high-temp. | September 29, 2006 | November 28, 2006 |
| 65996-91-0 | Distillates (coal tar), upper | September 29, 2006 | November 28, 2006 |
| 65996-92-1 | Distillates (coal tar) | September 29, 2006 | November 28, 2006 |
| 68081-86-7 | Phenol, nonyl derivs. | September 29, 2006 | November 28, 2006 |
| 68082-78-0 | Lard, oil, Me esters | September 29, 2006 | November 28, 2006 |
| 68153-60-6 | Fatty acids, tall-oil, reaction products with diethylenetriamine, acetates | September 29, 2006 | November 28, 2006 |
| 68187-41-7 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters | September 29, 2006 | November 28, 2006 |
| 68187-57-5 | Pitch, coal tar-petroleum | September 29, 2006 | November 28, 2006 |
| 68187-59-7 | Coal, anthracite, calcined | September 29, 2006 | November 28, 2006 |
| 68188-18-1 | Paraffin oils, chlorosulfonated, saponified | September 29, 2006 | November 28, 2006 |
| 68308-74-7 | Amides, tall-oil fatty, N,N-di-Me | September 29, 2006 | November 28, 2006 |
| 68309-16-0 | Fatty acids, tall-oil, 2-(2-hydroxyethoxy)ethyl esters | September 29, 2006 | November 28, 2006 |
| 68309-27-3 | Fatty acids, tall-oil, sulfonated, sodium salts | September 29, 2006 | November 28, 2006 |
| 68334-01-0 | Disulfides, alkylaryl dialkyl diaryl, petroleum refinery spent caustic oxidn. products .. | September 29, 2006 | November 28, 2006 |
| 68441-66-7 | Decanoic acid, mixed esters with dipentaerythritol, octanoic acid and valeric acid ... | September 29, 2006 | November 28, 2006 |
| 68442-60-4 | Acetaldehyde, reaction products with formaldehyde, by-products from | September 29, 2006 | November 28, 2006 |
| 68442-77-3 | 2-Butenediamide, (2E)-, N,N'-bis[2-(4,5-dihydro-2-nortall-oil alkyl-1H-imidazol-1-yl)ethyl] derivs.. | September 29, 2006 | November 28, 2006 |
| 68457-74-9 | Phenol, isobutyleneated methylstyrenated | September 29, 2006 | November 28, 2006 |
| 68513-62-2 | Disulfides, C5-12-alkyl | September 29, 2006 | November 28, 2006 |
| 68515-89-9 | Barium, carbonate nonylphenol complexes | September 29, 2006 | November 28, 2006 |
| 68527-22-0 | Naphtha (petroleum), clay-treated light straight-run | September 29, 2006 | November 28, 2006 |
| 68584-25-8 | Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine | September 29, 2006 | November 28, 2006 |
| 68602-81-3 | Distillates, hydrocarbon resin prodn. higher boiling | September 29, 2006 | November 28, 2006 |
| 68608-59-3 | Ethane, 1,2-dichloro-, manuf. of, by-products from, distn. lights | September 29, 2006 | November 28, 2006 |
| 68609-05-2 | Cyclohexane, oxidized, non-acidic by-products, distn. lights | September 29, 2006 | November 28, 2006 |
| 68610-90-2 | 2-Butenedioic acid (2E)-, di-C8-18-alkyl esters | September 29, 2006 | November 28, 2006 |
| 68649-42-3 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts | September 29, 2006 | November 28, 2006 |
| 68650-36-2 | Aromatic hydrocarbons, C8, o-xylene-lean | September 29, 2006 | November 28, 2006 |
| 68782-97-8 | Distillates (petroleum), hydrorefined lubricating-oil | September 29, 2006 | November 28, 2006 |
| 68815-50-9 | Octadecanoic acid, reaction products with 2-[(2-aminoethyl)amino]ethanol | September 29, 2006 | November 28, 2006 |
| 68909-77-3 | Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine derivs. residues | September 29, 2006 | November 28, 2006 |
| 68915-05-9 | Fatty acids, tall-oil, low-boiling, reaction products with ammonia-ethanolamine reaction by-products. | September 29, 2006 | November 28, 2006 |
| 68915-39-9 | Cyclohexane, oxidized, aq. ext., sodium salt | September 29, 2006 | November 28, 2006 |
| 68918-16-1 | Tar, coal, dried and oxidized | September 29, 2006 | November 28, 2006 |
| 68919-17-5 | Hydrocarbons, C12-20, catalytic alkylation by-products | September 29, 2006 | November 28, 2006 |

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| 68937-29-1 | 1,6-Hexanediol, distn. residues | September 29, 2006 | November 28, 2006 |
| 68937-70-2 | Carboxylic acids, C6-18 and C8-15-di- | September 29, 2006 | November 28, 2006 |
| 68937-72-4 | Carboxylic acids, di-, C4-11 | September 29, 2006 | November 28, 2006 |
| 68953-80-0 | Benzene, mixed with toluene, dealkylation product | September 29, 2006 | November 28, 2006 |
| 68955-37-3 | Acid chlorides, tallow, hydrogenated | September 29, 2006 | November 28, 2006 |
| 68955-76-0 | Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich | September 29, 2006 | November 28, 2006 |
| 68987-41-7 | Benzene, ethylenated | September 29, 2006 | November 28, 2006 |
| 68987-66-6 | Ethene, hydrated, by-products from | September 29, 2006 | November 28, 2006 |
| 68988-22-7 | 1,4-Benzenedicarboxylic acid, dimethyl ester, manuf. of, by-products from | September 29, 2006 | November 28, 2006 |
| 68990-61-4 | Tar, coal, high-temp., high-solids | September 29, 2006 | November 28, 2006 |
| 68990-65-8 | Fats and Glyceridic oils, vegetable, reclaimed | September 29, 2006 | November 28, 2006 |
| 70084-98-9 | Terpenes and Terpenoids, C10-30, distn. residues | September 29, 2006 | November 28, 2006 |
| 70693-50-4 | Phenol, 2,4-bis(1-methyl-1-phenylethyl)-6-[(2-nitrophenyl)azo]- | September 29, 2006 | November 28, 2006 |
| 70851-08-0 | Amides, coco, N-[3-(dimethylamino)propyl], alkylation products with sodium 3-chloro-2-hydroxypropanesulfonate. | September 29, 2006 | November 28, 2006 |
| 71077-05-9 | Ethanol, 2,2'-oxybis-, reaction products with ammonia, morpholine product tower residues. | September 29, 2006 | November 28, 2006 |
| 72162-15-3 | 1-Decene, sulfurized | September 29, 2006 | November 28, 2006 |
| 72854-27-4 | Tannins, reaction products with sodium bisulfite, sodium polysulfide and sodium sulfite. | September 29, 2006 | November 28, 2006 |
| 73665-18-6 | Extract residues (coal), tar oil alk., naphthalene distn. residues | September 29, 2006 | November 28, 2006 |
| 83864-02-2 | Nickel, bis[cyano-C)triphenylborato(1-)N]bis(hexanedinitrile-N,N')- | September 29, 2006 | November 28, 2006 |
| 84501-86-0 | Hexanedioic acid, esters with high-boiling C6-10-alkene hydroformylation products | September 29, 2006 | November 28, 2006 |
| 90640-80-5 | Anthracene oil | September 29, 2006 | November 28, 2006 |
| 90640-86-1 | Distillates (coal tar), heavy oils | September 29, 2006 | November 28, 2006 |
| 119345-02-7 | Benzene, 1,1'-oxybis-, tetrapropylene derivs. | September 29, 2006 | November 28, 2006 |
| 125997-20-8 | Phosphoric acid, mixed 3-bromo-2,2-dimethylpropyl and 2-bromoethyl and 2-chloroethyl esters. | September 29, 2006 | November 28, 2006 |

(Secs 8(a) and 8(d), 90 Stat. 2027, 2029; 15 U.S.C. 2607 (a) and (d))

[47 FR 26998, June 22, 1982]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 712.30, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

EFFECTIVE DATE NOTE: At 59 FR 14115, Mar. 25, 1994, in § 712.30 paragraph (x), the chemical substances under the category "propylene glycol ethers esters" and all related dates were stayed, effective March 25, 1994. At 60 FR 31921, June 19, 1995, § 712.30 was amended in part by redesignating paragraph (x) as paragraph (e).

Environmental Protection Agency**PART 716—HEALTH AND SAFETY DATA REPORTING****Subpart A—General Provisions**

Sec.

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Subpart B—Specific Chemical Listings

- 716.105 Additions of substances and mixtures to which this subpart applies.
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AUTHORITY: 15 U.S.C. 2607(d).

SOURCE: 51 FR 32726, Sept. 15, 1986, unless otherwise noted.

Subpart A—General Provisions**§ 716.1 Scope and compliance.**

(a) This subpart sets forth requirements for the submission of lists and copies of health and safety studies on chemical substances and mixtures selected for priority consideration for testing rules under section 4(a) of the Toxic Substances Control Act (TSCA) and on other chemical substances and mixtures for which EPA requires health and safety information in fulfilling the purposes of TSCA.

(b) Section 15(3) of TSCA makes it unlawful for any person to fail or refuse to submit information required under this subpart. Section 16 provides that a violation of section 15 renders a person liable to the United States for a civil penalty and possible criminal prosecution. Under section 17, the district courts of the United States have jurisdiction to restrain any violation of section 15.

§ 716.3**§ 716.3 Definitions.**

The definitions in section 3 of TSCA apply to this subpart. In addition, the following definitions are provided for the purposes of this subpart:

Byproduct means a chemical substance produced without a separate commercial intent during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

Co-product means a chemical substance produced for a commercial purpose during the manufacture, processing, use, or disposal of another chemical substance(s) or mixture(s).

Copy of study means the written presentation of the purpose and methodology of a study and its results.

EPA means the United States Environmental Protection Agency.

Health and safety study or *study* means any study of any effect of a chemical substance or mixture on health or the environment or on both, including underlying data and epidemiological studies, studies of occupational exposure to a chemical substance or mixture, toxicological, clinical, and ecological or other studies of a chemical substance or mixture, and any test performed under TSCA.

(1) It is intended that the term *health and safety study* be interpreted broadly. Not only is information which arises as a result of a formal, disciplined study included, but other information relating to the effects of a chemical substance or mixture on health or the environment is also included. Any data that bear on the effects of a chemical substance on health or the environment would be included. Chemical identity is part of, or underlying data to, a health and safety study.

(2) Examples are:

(i) Long- and short-term tests of mutagenicity, carcinogenicity, or teratogenicity; data on behavioral disorders; dermatoxicity; pharmacological effects; mammalian absorption, distribution, metabolism, and excretion; cumulative, additive, and synergistic effects; and acute, subchronic, and chronic effects.

(ii) Tests for ecological or other environmental effects on invertebrates, fish, or other animals, and plants, including: Acute toxicity tests, chronic